

Forty-Fourth Annual Report

OF THE

BOARD OF TRUSTEES

OF

The Ohio State University

TO THE

GOVERNOR OF OHIO

FOR THE

YEAR ENDING JUNE 30

1914



COLUMBUS, OHIO:  
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OFFICE OF THE BOARD OF TRUSTEES, THE OHIO STATE UNIVERSITY

COLUMBUS, OHIO, October 1, 1914

*Honorable JAMES M. COX, Governor of the State of Ohio:*

SIR:—I have the honor to transmit herewith the forty-fourth annual report of the Board of Trustees of The Ohio State University.

The report, as usual, contains such statements and exhibits as are necessary to show the financial transactions of the past year, and the manner in detail of receiving and disbursing the various funds; also such other information as may be of general interest or required by law.

The Annual Report of the President of the University to the Board of Trustees is made a part of this report.

All of which is respectfully submitted.

CARL E. STEEB,  
*Secretary.*







## ANNUAL REPORT OF THE PRESIDENT

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*Honorable JULIUS F. STONE, Chairman of the Board of Trustees, The Ohio State University.*

DEAR SIR:—I have the honor to present through you, to the Board of Trustees of the Ohio State University for transmission to the Governor of Ohio, as required by law, the forty-fourth annual report of the President of the Ohio State University for the year ending June 30, 1914.

### THE BOARD OF TRUSTEES

The term of office of the Honorable Walter J. Sears expired May 13, 1914. Up to the time of writing this report no successor has been appointed and Mr. Sears continues to serve under the Statutes until a successor is duly appointed and qualified.

### THE FACULTY

During the year an unusual number of changes for one reason and another have occurred.

On July 17, 1913, Mrs. Mary Rebecca Laver died. For nearly six years she had been in active service in the University in the department of Art, succeeding Miss Bracken as head of the department. She showed a high order of organizing ability, a keen appreciation of the subject and was herself an effective teacher.

The death of Dr. A. M. Jansen occurred January 4, 1914, due to infection in the bacteriology laboratory while experimenting with glanders. Dr. Jansen was one of the younger men recently appointed and gave great promise of effective service.

On February 15, 1914, occurred the death of Josiah Renick Smith, Professor of Greek. Professor Smith spent almost his entire academic life in the service of the University having been originally appointed in 1876. After graduating from Amherst College in 1871 he spent a short period in the public schools in the city of Columbus and in 1876 received his first appointment. From this time his service was continuous except for two short periods spent in study on leave of absence in Europe. Professor Smith exemplified in his life and character the rich privilege of education and culture. He was an enthusiastic teacher, a courteous gentleman, universally beloved and unswervingly devoted to the finer things in life and education. Few men serve so long and so acceptably. His death at the age of sixty-three seemed premature and untimely.

Through the courtesy of the Capital University the services of Professor R. V. Schmitt were secured to assist in carrying the work in Greek for the remainder of the academic year.

A very unusual experience in the history of the University occurred when there disappeared Cecil F. Lavell, Professor of History of Education, as successor to Professor Frank P. Graves, who had gone to the University of Pennsylvania. All efforts to locate Mr. Lavell or to account for his disappearance were futile. No well attested facts in the case were available. In the short period of service he had won the enthusiastic support of his classes and was steadily winning his way in the University.

#### RESIGNATIONS

At a meeting of the Trustees June 27, 1913, the resignation of Professor E. A. Hitchcock of the department of Mechanical Engineering was accepted, to take effect June 30, 1913.

The following resignations were presented and accepted during the year:

##### *Meeting of Trustees, July 24, 1913—*

Miss Ruth Wardall, Professor of Home Economics, to accept a similar position in the Iowa University, Iowa City, Iowa.

Henry W. Vaughan, Assistant Professor of Animal Husbandry, to accept a similar position in the Iowa State College of Agriculture and Mechanic Arts.

Miss Mirpah Blair, Head Cataloguer in the Library, to accept a similar position in the Oregon State Library, Salem.

##### *Meeting of the Trustees, July 25, 1913—*

F. K. Pence, Professor of Ceramic Engineering, resigned to return to the Encaustic Tile Works, Zanesville, Ohio, as Chemist, where he had served for a number of years.

H. F. Staley, Professor of Ceramic Engineering, resigned to accept a commercial position.

##### *Meeting of the Trustees, August 6, 1913—*

Alexander Vallance, Assistant Professor Experimental Engineering.

##### *Meeting of the Trustees, September 19, 1913—*

F. P. Graves, Professor of History and Philosophy of Education, to accept a similar position at the University of Pennsylvania.

J. A. Wilkinson, Assistant Professor of Chemistry, to accept a similar position at the Iowa State College of Agriculture and Mechanic Arts.

R. N. Waid, Instructor in Civil Engineering.

R. C. McCall, Assistant in Civil Engineering.

Catherine C. Creamer, Assistant in Home Economics.

George O. Weimer, Assistant in Physics.

Eloise Ramsey, Fellow in English.

Lester Edwin Mitchell, Fellow in English.

Clara F. Miles, Fellow in English.

Elva H. Grafton, Fellow in Chemistry.

Jude Underwood, Fellow in Chemistry.



*Meeting of Trustees, October 20, 1913—*

Stockton Raymond of the Department of Economics.  
Chas. P. Crowe, Instructor in Forging.

*Meeting of Trustees, March 6, 1914—*

H. F. Harrington, Assistant Professor of English in charge of the courses in Journalism, resigned to organize a department of Journalism in Western Reserve University.

*Meeting of Trustees, March 19, 1914—*

W. W. Boyd, Dean of the College of Education, resigned to accept the presidency of the Western College for Women at Oxford. Mr. Boyd began service in the University in the year 1902, as high school visitor, and in 1907 became the first Dean of the College of Education.

*Meeting of Trustees, June 16, 1914—*

John S. Ankeney of the University of Missouri, elected Professor of Art, resigned before entering upon his duties.

## APPOINTMENTS

The following new appointments for the year 1913-1914 were made at the meeting of the Trustees July 25, 1913:

Miss Alice Crane, Assistant in Home Economics.  
J. L. Busby, Assistant in Anatomy and Physiology.  
Don F. Russell, Assistant in Anatomy and Physiology.  
Ralph E. Wilson, Assistant in Economics and Sociology.  
Clyde O. Ruggles, Assistant Professor of Economics and Sociology.  
Walter Verwiebe, Instructor in Geology.  
H. C. Keidel, Instructor in German.  
H. F. Dunham, Instructor in Romance Languages.  
J. K. Ditchy, Instructor in Romance Languages.  
Mary L. Shepherd, Instructor in Art.  
Eldon L. Usry, Assistant Professor of Manual Training.  
George F. Schlesinger, Instructor in Civil Engineering.

## APPOINTMENTS

The following appointments were made during the year:

*Meeting of the Trustees August 6, 1913—*

Arthur S. Watts, Professor of Ceramic Engineering.  
Carl E. Parry, Assistant Professor of Economics and Sociology.  
Robert H. Neilan, Assistant in Mechanical Engineering.  
Miss Zoe Walcott, Assistant in Home Economics.  
Miss Sarah E. Stimmel, Assistant in Home Economics.  
Mrs. Grace Walker, Assistant in Home Economics.  
Miss Mabel Rogers, Assistant in Home Economics.

*Meeting of the Trustees September 19, 1913—*

F. W. Marquis, Professor of Steam Engineering.  
Norman E. Scherer, Assistant Professor of Forestry.  
Charles Ford Long, Assistant Professor of Chemistry (for the year).  
Roscoe C. Sloane, Instructor in Civil Engineering.  
Wilbert C. Ronan, Instructor in Architecture.



Aubrey I. Brown, Instructor in Mechanical Engineering.  
 Rudolph Pintner, Instructor in Psychology.  
 Earl W. McCoy, Assistant in Civil Engineering.  
 James R. Wiley, Assistant in Animal Husbandry.  
 G. O. Burrell, Assistant in Anatomy and Physiology.  
 Joseph P. Hershberger, Assistant in Agronomy.  
 Carleton Edgar Curran, Fellow in Chemistry.  
 Emma Rower, Fellow in English.  
 W. W. Ploch, Fellow in English.  
 Beulah Wardall, Fellow in English.  
 Helen Morningstar, Fellow in English.  
 Ethel Morris, Fellow in English.  
 Nelle Swartzel, Fellow in Agricultural Chemistry.  
 Verle C. Smith, Assistant to the Dean of the College of Agriculture.  
 Thomas Earle Moore, Fellow in Chemistry.

*Meeting of the Trustees October 20, 1913—*

L. W. St. John, Professor of Competitive and Recreative Athletics.  
 John W. Wilce, Professor of Competitive and Recreative Athletics.  
 Frank R. Castleman, Professor of Competitive and Recreative Athletics.  
 Miss Emilie Catherine Renz, Instructor in Economics and Sociology.  
 Mr. Theodore F. Kotz, Instructor in German.  
 Alexander P. Moore, Instructor in Romance Languages.  
 Wilmer C. Harris, Instructor in European History.  
 Miss Lila Skinner, Assistant in Home Economics.  
 Clayton Long, Assistant in Horticulture.  
 Max Wershow, Assistant in Veterinary Medicine.  
 Perry Wright, Assistant in Forging.  
 Albert R. Shadle, Fellow in Zoology and Entomology.  
 I. W. Geiger, Fellow in Chemistry.  
 Miss Mary Kline, Fellow in Chemistry.  
 Lee I. Smith, Fellow in Chemistry.  
 Miss Evelyn Osborn, Fellow in Zoology and Entomology.  
 Miss Helen Scott, Assistant in Home Economics.  
 Miss Treva Kauffman, Assistant in Home Economics.  
 Miss Mary Betz, Assistant in Home Economics.  
 Miss Laure Anderson, Assistant in Home Economics.

*Meeting of the Trustees November 7, 1913—*

J. Forest Craig, Instructor in English.

*Meeting of the Trustees December 12, 1913—*

H. E. Boucher, Assistant in Physiology.  
 Justus Howard Dice, Reference Assistant in Library.  
 A. R. Mead of Columbia University, temporary Instructor for two months  
 in the Department of History of Education.

*Meeting of the Trustees January 27, 1913—*

Henry B. Froning, Instructor in Bacteriology.  
 D. D. Shira, Assistant in Department of Physiology.  
 Mrs. Marion Lucas Garvin, Instructor in Home Economics.

*Meeting of the Trustees February 17, 1914—*

Lewis F. Anderson, Professor of the History of Education.

*Meeting of the Trustees March 19, 1914—*

George Melville Bolling, Professor of the Greek Language and Literature.

*Meeting of the Trustees April 3, 1914—*

Joseph S. Myers, Professor of Journalism.

## LEAVE OF ABSENCE 1913-1914

Professor Charles S. Plumb, of the Department of Animal Husbandry.

Professor William Herbert Page, of the College of Law.

Professor James E. Hagerty, of the Department of Economics and Sociology.

Professor George H. McKnight, of the Department of English.

Professor Samuel C. Derby, of the Department of Latin.

Dr. Thomas Harvey Haines, of the Department of Psychology, (for second year).

Assistant Professor George Livingston, of the Department of Agronomy.

Mr. George R. Twiss, High School Visitor.

Professor F. A. McKenzie, (granted leave meeting of March 6, 1914).

Miss Olive Jones, (granted leave meeting of April 4, 1914). Librarian.

The above list of resignations, readjustments and appointments will suggest at once that the modern university having reached large proportions must constantly be on the search for teachers. Many of these changes are inevitable. Young men receive subordinate appointments, prove their efficiency, receive attractive offers either in educational or commercial service and feel obliged to accept. No criticism can be made of this situation.

Other appointments are temporary in character, such as assistants, graduate assistants, fellows and some others. The service rendered by such appointments is important but the character of it makes it temporary and, therefore, brings to the University the continuous problem of securing persons who are advancing their education while rendering a temporary service.

The vital thing in university administration is in the selection or retention of properly qualified men and women as professors. The strenuous demand for teachers has led to a very rapid promotion of young men and with it the selection of persons not always well suited for academic work. Experience would seem to indicate that the salary of a professor should be put at such a mark as to make it unnecessary to give the title of professor to any person who has not thoroughly demonstrated his fitness for the position. It is hoped that in the near future the Ohio State University can assume a more conservative attitude upon the appointment of persons to the rank of professor and a more generous attitude in the matter of the minimum salary for such rank.

The question of salary is always uppermost in the mind of administrative officers. No dead level theory of salary will ever build a strong faculty. No increase of salary will change the efficiency or determine the character of a professor. The desirable thing for the university



would be to have money available for salaries when needed. The standard of living would probably determine the general standard of salaries, but exceptional men should be treated in accordance with their merits even though the problem involved is one of the most difficult in university administration.

#### ENROLLMENT

As usual the summary of enrollment and of degrees granted is given in this report:

Graduate School .....	133	133
College of Agriculture—		
Undergraduates (Agr., Hort., Forestry, degree courses) .....	770	
Undergraduates (Home Economics, Degree Course) ..	286	
Undergraduates (Certificate courses) .....	191	1,247
College of Arts, Philosophy and Science .....	952	952
College of Education .....	187	187
College of Engineering—		
Undergraduates (degree courses) .....	867	
Undergraduates (certificate courses) .....	21	888
College of Law .....	187	187
College of Pharmacy .....	95	95
College of Veterinary Medicine .....	162	162
Total .....		3,851
Names counted twice .....		22
Net total (Academic year) .....		3,829
Summer Session 1913—		
Graduate School .....	86	
College of Agriculture .....	58	
College of Arts .....	231	
College of Education .....	149	
Arts-Education .....	4	
College of Engineering .....	133	
College of Pharmacy .....	4	
College of Veterinary Medicine .....	6	671
Lake Laboratory 1913—		
Graduate School .....	16	
Undergraduates .....	16	32
Winter Course in Agriculture, 1914 .....	203	203
Total .....		4,735
Names counted twice .....		300
Grand net total for year .....		4,435



## DEGREES

At the Commencement held on June 17, 1914, the University granted a total of 608 degrees. These were distributed as follows:

Graduate School .....	55
College of Agriculture .....	162
College of Arts, Philosophy and Science .....	176
College of Education .....	28
College of Engineering .....	117
College of Law .....	21
College of Pharmacy .....	6
College of Veterinary Medicine .....	43
Total .....	608

In addition to the degrees granted, certificates for the completion of courses not leading to degrees were granted as follows:

College of Law.....	16
College of Pharmacy.....	16
Total .....	32
Degrees granted during present academic year.....	32
Total number of degrees and certificates granted for the year ending June 17, 1914.....	640

This total net enrollment of 4,435 as against 3,969 for the previous year proves again that the progress of education in Ohio is on a substantial basis. For twenty years the University has steadily increased its enrollment, and there seems now no reason to believe that with the increase of wealth in the State, the increase of population, the rising standards of living and other factors, the university enrollment would not continue to increase for some years to come. What the limitation if any, to the modern state university shall be is not yet clearly discernible. Economic and industrial conditions may have an important bearing upon this problem, but comparisons with other states and with the urban universities of the East would indicate that from six to eight thousand students may be expected in the most important educational centers of the country.

The Ohio State University will probably be no exception to the rule and the state may anticipate the necessity of providing for a much larger enrollment than here recorded.

The increase in the number of degrees and certificates granted from 547 to 640 will indicate also that an increasing number of students find themselves able to complete courses of study. The certificates are confined to those who have completed professional courses in Law and Pharmacy.

## SUMMER SESSION 1914

Following the usual custom the report for the Summer Session of 1914 is given because the report is usually written after the close of the Summer Session and because the statistics are desired for use during the current year.

## TOTAL ATTENDANCE

	1913	1914
At Columbus .....	673	928
At Lake Laboratory .....	31	14
Total .....	704	942

## COLLEGIATE DISTRIBUTION

College of Agriculture.....	53	83
College of Arts, Philosophy and Science.....	229	238
College of Education.....	150	283
College of Engineering.....	134	167
College of Pharmacy.....	4	10
College of Veterinary Medicine.....	6	6
Graduate School .....	95	125
Auditors .....	2	....
Home Makers .....	....	16
	673	928

## OCCUPATION OF STUDENTS

College Instructors .....	21	25
High School Superintendents.....	23	50
High School Principals.....	13	30
High School Teachers.....	226	310
College Students .....	359	420
Miscellaneous .....	....	35
Unclassified .....	31	58
Total .....	673	928

## PREPARATION OF STUDENTS

Holding Degrees .....	175	244
Collegiate .....	496	684
Below Collegiate .....	2	0
Total .....	673	928

The enrollment for 1914 determines clearly that the decreased appropriation for 1913 was the cause of the lighter enrollment for that year. The increased appropriation for 1914 allowing a wider distribution for work determined what experience has proved for the past five years, namely that the attendance for the Summer Session at the Ohio State University is due to the character of the work offered and the opportunity for advanced students to make annual progress in their education. An examination into the situation will disclose the fact



that the Ohio State University is the only Institution in the State insisting upon entrance requirements of 15 units for enrollment. This has resulted in bringing three classes of students to the Summer Session. First, those who are anxious to increase their credits in college studies as a part of their undergraduate work; second, those who are teaching or engaged in other occupations where a Summer may be utilized for some definite work toward a degree and; third, graduate students, who holding the undergraduate degree are candidates for an advanced degree and engaged in meeting these requirements through a series of Summer Sessions. This makes it desirable that the program of studies in the Summer Session should be announced definitely for a year or two in advance so that students desiring advanced courses could, by consulting the catalog know what was possible at the University.

Reference to the statistics will show that the attendance is chiefly in four divisions corresponding in the main to the above remarks. The occupation of students will also confirm this statement. It is a matter of interest and some pride that as many as 244 students of the Summer Session were holders of degrees.

For the first time an exceptional movement was undertaken known as the School for Superintendents. The purpose of this was to bring to county superintendents, district superintendents, village superintendents and those anticipating that kind of service a course for six weeks that would meet the requirements of the new school code from a professional point of view and at the same time provide instruction in and discussion of the problems of supervision and administration. About seventy-five men and women of mature experience enrolled in this course and found it profitable. Two County Superintendents, George W. Brown of Paris, Illinois, and Mr. Richard Park of Sullivan, Indiana, were brought for a week each with the distinct purpose of presenting to the Superintendents of Ohio results of experiences in our neighboring commonwealths. These men rendered a very distinct and helpful service. Other men of Ohio and members of the faculty joined in the work of instruction and in presenting lectures.

Several of the State agencies, including the Superintendent of Public Instruction and State Board of Health appeared before the School for Superintendents with valuable discussions and lectures upon the relation of these agencies to the public school system. The fact that Ohio was entering upon the new era in school supervision seemed to justify this new departure as a temporary provision to meet an existing need.

#### SOCIAL STATISTICS

From year to year it has seemed desirable to include in this report the occupational and religious statistics of the student body. This list is in no way compulsory upon the student, but each year has proved itself valuable by bringing to interested parties the information needed



concerning the constituency served by the University. No statement made by the University could be more illuminating as to the service rendered to the people of the state than this collection of data made by the student himself before he enrolls.

A slight misapprehension on the part of some due to feeling that we are inquiring into private business probably prevents some few students from furnishing the information. No personal use is made of these statistics, but appearing as they do in the report, the student of education or of the University's activities will be highly pleased with the exhibit presented in these tables.

#### RELIGIOUS STATISTICS 1914-15

Adventist .....	2	Interdenominational .....	1
Baptist .....	185	Jewish .....	72
Brethren .....	121	Lutheran .....	270
Catholic .....	263	Mennonite .....	9
Christian .....	187	Methodist .....	1,444
Christian Science.....	13	Moravian .....	1
Christian Union.....	4	Mormon .....	2
Church of God.....	3	Presbyterian .....	746
Confucius .....	2	Protestant .....	38
Congregationalists .....	259	Quakers .....	6
Disciple .....	55	Reformed .....	120
Dunkard .....	1	Spiritualist .....	1
Episcopalian .....	168	Union .....	3
Evangelical .....	43	Unitarian .....	12
Friends .....	19	United Presbyterian.....	35
Gospel .....	2	Universalist .....	29
Gregorian .....	5	Zions Reformed .....	1
Hindu .....	2	None Given.....	271

#### OCCUPATIONAL STATISTICS OF PARENTS, 1914-1915

Architects .....	7	Coal Operators and Oil Pro-	
Artisans .....	17	ducers .....	20
Attorneys and Judges.....	119	Contractors .....	86
Auctioneers .....	1	Dairymen .....	14
Bacteriologists .....	1	Dentists .....	18
Bakers .....	3	Druggists .....	49
Bankers .....	27	Editors .....	11
Barbers .....	11	Electricians .....	7
Blacksmiths .....	18	Electrical Engineers.....	4
Brewers .....	1	Farmers .....	1,089
Brokers .....	5	Florist and Gardeners.....	27
Business Men.....	17	Foremen .....	36
Butchers .....	8	Grocers .....	56
Carpenters .....	64	Insurance .....	48
Caterers and Cooks.....	6	Inventors .....	1
Chiropodists .....	1	Janitors .....	12
Civil Engineers.....	18	Jewelers .....	15
Clergymen .....	75	Laborers .....	25
Clerks and Accountants.....	113	Laundrymen .....	6

Librarians .....	2	Public Service.....	127
Liverymen and Teamsters.....	15	Publishers and Printers.....	15
Managers and Superintendents...	143	Railroad Employees.....	134
Manufacturers .....	111	Real Estate.....	52
Mechanical Engineers.....	11	Restaurant and Hotel Keepers...	10
Mechanics .....	137	Retired .....	115
Merchants .....	346	Salesmen .....	153
Millers .....	10	Shoemakers .....	5
Miners .....	8	Stationery Engineers.....	10
Mining Engineers.....	5	Stock Dealers.....	15
Optometrists .....	2	Tailors .....	27
Painters and Decorators.....	27	Tanners .....	1
Photographers .....	5	Tinners .....	5
Physicians .....	156	Undertakers .....	5
Plumbers .....	12	Veterinary Surgeons.....	7
Professors and Teachers.....	86	None given.....	603

## APPROPRIATIONS

Following the custom of other years this report includes for convenient reference, the Appropriation Bill as in-force for the current year.

The Legislature at its last session repealed the appropriation bill as outlined in the Annual Report for the year ending June 30, 1913, and appropriated in place of it the following amounts (see House Bill 47, passed February 16, 1914):

## GENERAL APPROPRIATION BILL

## Personal Service—

A-1 .....	\$84,620 00
B-1 .....	11,850 00

\$96,470 00

## Maintenance—

C-3 .....	\$25,285 00
C-4 .....	2,562 50
C-8 .....	156 00
C-9 .....	642 60
C-10 .....	16 20
C-11 .....	7,030 00

\$35,692 30

D-1 .....	500 00
D-3 .....	7,000 00

7,500 00

E-1 .....	400 00
E-4 .....	3,000 00
E-5 .....	198 00
E-8 .....	53,800 00
E-9 .....	27,000 00

\$84,398 00



F-1 .....	10,000 00	
F-3 .....	8,160 00	
F-4 .....	9,902 70	
F-6 .....	3,200 00	
F-7 .....	250 00	
F-8 .....	25,000 00	
F-10 .....	102,842 00	
	<hr/>	159,354 70
		286,945 00
H .....		42,000 00
		<hr/>
		\$425,415 00

## SUNDRY APPROPRIATION BILL

Extension Tunnel System.....	\$7,653 00	
Summer Session 1914.....	5,000 00	
	<hr/>	\$12,653 00
		<hr/>
		\$438,068 00

The Legislature also appropriated \$3,750.00 relief to Grace A. Jansen.

The Board of Trustees distributed the above appropriations in accordance with the following classification:

## ANALYSIS OF APPROPRIATION BILL BY CLASSIFICATION IN PRESENT USE

## SALARIES A-1

General Budget .....	\$35,000 00	
Teacher's Contingency .....	10,000 00	
College of Agriculture.....	15,000 00	
	<hr/>	\$60,000 00

## BETTERMENT OF BUILDINGS

## Wages B-1

2 Carpenters .....	\$2,200 00	
1 Painter .....	900 00	
1 Tinner .....	960 00	
Materials D-3 .....	7,000 00	
Painting, Plumbing, wiring, F-8.,	8,000 00	
Heater and paint brushes, E-9.....	215 00	
	<hr/>	

19,275 00

## ROADS AND GROUNDS

## Wages B-1

4 Campus Men.....	2,640 00	
Care of Shrubs.....	250 00	
Extra Labor .....	50 00	
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2,940 00

Grass seed, fertilizer, shrubs, C-9.....	642 60	
Gasoline for mower, C-10.....	16 20	
Oil, etc., C-11.....	30 00	
Highway materials, D-1.....	500 00	
Motorless vehicles, E-5.....	48 00	
Concrete mixer, E-9.....	500 00	
Sidewalks, F-8 .....	6,394 90	
Roads, F-8 .....	4,800 00	
	<hr/>	

15,871 70



## SUMMER SESSION

## Salaries

Original bill .....	\$9,400 00
Sundry bill .....	5,000 00

## Current Expense

Wages B-1 .....	\$250 00
Office supplies, C-4.....	200 00
Ed. & Rec. supplies, C-8.....	150 00
	<u>\$600 00</u>

\$15,000 00

## GRADUATE SCHOOL

Salaries .....	\$2,500 00
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## MILK TESTING

Salaries, A-1 .....	\$720 00
Wages, B-1 .....	400 00

## Current Expense

Office Supplies, C-4.....	\$250 00
Transportation, F-6 .....	580 00
Communication, F-7 .....	250 00
	<u>\$1,080 00</u>

\$2,200 00

## AGRICULTURAL EXTENSION

Salaries .....	\$7,000 00
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## Current Expense

Office Supplies, C-4.....	\$1,200 00
Gen. Plt. Supplies, C-11.....	2,000 00
Gen. Plt. Equip., E-9.....	2,000 00
Transportation, F-6 .....	2,022 50
Gen. Plt. Service, F-8.....	4,000 00
	<u>\$11,222 50</u>

\$18,222 50

## Dean—College of Agriculture, A-1.....

\$5,000 00

## POWER HOUSE EQUIPMENT, E-9

Generating Unit .....	\$11,500 00
Heater .....	1,000 00
Stoker .....	5,000 00
	<u>\$17,500 00</u>

\$17,500 00

## WINTER COURSE IN AGRICULTURE, B-1

Wages .....	3,000 00
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## BIOLOGICAL SURVEY

## Current Expense

Wages, B-1 .....	\$800 00
Office Sup., C-4.....	812 50
Ed. & Rec. Sup., C-8.....	6 00
Transportation, F-6 .....	222 50
Ed. & Rec. Eq., E-8.....	15 00
	<u>\$1,856 00</u>

\$1,856 00

## HIGHWAY ENGINEERING

## Current Expense

Wages .....	\$400 00
Office Supplies, C-1.....	100 00
Transportation, F-6 .....	375 00
	<u>\$875 00</u>

\$875 00

## COAL AND GAS, C-3

Coal .....	\$23,250 00
Gas .....	2,035 00

\$25,285 00

## WATER .....

8,160 00

## HORTICULTURE AND FORESTRY BUILDING

EQUIPMENT .....	10,000 00
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BOTANY AND ZOOLOGY BUILDING EQUIPMENT..	10,000 00
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LIBRARY, Special appropriation for books....	16,350 00
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LIBRARY, Binding .....	2,000 00
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## APPARATUS AND EQUIPMENT APPROPRIATIONS

## COLLEGE OF ARTS

American History .....	\$50 00
Bacteriology .....	100 00
Economics and Sociology.....	125 00
European History .....	150 00
Geology .....	400 00
German .....	25 00
Latin .....	50 00
Romance Languages .....	35 00

\$935 00

## COLLEGE OF EDUCATION

Art .....	\$100 00
Manual Training .....	190 00
Psychology .....	210 00

\$500 00

## COLLEGE OF ENGINEERING..... \$8,000 00

Civil Engineering, Office Eq.....	73 50
Metallurgy, Office Eq.....	100 00
Metallurgy Furnaces, F-10.....	75 00

\$8,248 50

## COLLEGE OF AGRICULTURE..... \$8,000 00

Home Econ., Office Equip., C-4.....	67 50
Rural Ec., Office Equip., C-4.....	159 00
Live Stock, E-4.....	3,000 00
Motorless Vehicles, E-5.....	150 00

11,376 50

## VETERINARY MEDICINE—ELEVATOR.....

400 00

Veterinary Medicine—Elevator.....	400 00
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## TUNNEL TO SOUTH CAMPUS

Original bill .....	\$7,280 70
Sundry bill .....	7,653 00

\$14,933 70

## LIGHT, HEAT AND POWER

Wood Working Machinery, E-9.....	\$1,480 00
Light Circuit, F-4.....	2,622 00
Plumber's Tools, E-9.....	50 00
Tinner's Tools, E-9.....	50 00
Water Meter, E-9.....	400 00

\$4,602 00



FIRE PROTECTION, F-8.....	4,610 10
HORTICULTURE AND FORESTRY BUILDING (5,000 deferred), F-10 .....	70,000 00
FREIGHT HOUSE AND KILN ROOM, F-10.....	12,200 00
DORMITORY—LAKE LABORATORY, F-10 (2,500 deferred) .....	
NEW STACKS, LIBRARY, F-10 (7,400 deferred)	3,200 00
OHIO UNION—VAULT, F-10.....	500 00
WATER STALLS—VETERINARY LABORATORY (100 deferred), F-10 .....	
DOG HOUSE—VETERINARY LABORATORY, F-10..	147 00
NEW FLOOR—VETERINARY LABORATORY, F-10..	1,320 00
REAL ESTATE, H .....	42,000 00
CURRENT EXPENSE .....	15,000 00
	<hr/> \$438,068 00

The fiscal year for the University closes June 30th, of each year. The State has proposed to change its fiscal year so that June 30th, will be the close and thus bring the State into correspondence with the fiscal year of the Federal Government. This will make a distinct advance in the adjustment of accounts and in keeping record of appropriations.

The Budget system introduced during the current year will be applicable hereafter as the titles in the bill herein represented will reveal.

#### AGRICULTURAL EXTENSION

The most important piece of constructive legislation during the past year by the Federal Government was the passage of the Agricultural Extension Bill commonly known as the Smith-Lever Act.

Beginning with the Morrill Act in 1862, making provision for the Colleges of Agriculture and Mechanics Arts, there followed the Hatch Act in 1887 making provision for the Experiment Stations, the second Morrill Act of 1890 increasing the appropriations for the colleges, the Adams Act in 1906, increasing the appropriations for the Experiment Stations, and the Nelson Amendment in 1907 increasing the appropriations again for the colleges.

This series of important legislative Acts provided for the maintenance of the colleges and stations. The Extension Bill was intended to provide for co-operative Agricultural Extension work between the States and the United States Department of Agriculture. The Act makes available for the next nine fiscal years an aggregate sum of \$23,120,000 of federal funds to be sent in instruction and practical demonstration in Agriculture and Home Economics.

To obtain this total the states must appropriate for like purpose a sum amounting to \$18,800,000 thus making a grand total of \$41,920,000 to be expended during this period in Extension work. After that period the Federal Government will appropriate \$4,580,000 annually, and the States in order to receive their full quota must appropriate \$4,100,000

annually thus making a total possible annual expenditure for this purpose throughout the country of \$8,680,000.

Each state receives an initial appropriation of \$10,000 and thereafter the funds are to be apportioned to the states in a ratio determined by the proportion of the rural population of each state to the total rural population of the country as determined by the preceding decennial census. No state is under obligation to reach this maximum, but the amount received from the Federal Government in addition to the \$10,000, would be an amount equal to the appropriation made by the State.

The percentage of rural population in Ohio as related to the total rural population as determined by the Census of 1910 is 4.26. Upon this basis the appropriation for the next year would be \$10,000. For the year 1915-16 there would be available from the Federal treasury \$25,557 in addition to the \$10,000.00, provided the legislature made an appropriation of \$25,557. This would make available \$61,114 for Agricultural Extension within the year. For the succeeding year the total would be \$103,710. This increase from year to year would be in accordance with the percentage of the legislative appropriation as indicated above.

The figures above are given for the purpose of calling attention to the fact that this Federal Act makes possible a very generous provision for Extension work. There is some doubt whether the state will be sufficiently well organized to expend economically and efficiently the maximum appropriation. Fortunately Ohio, through the College of Agriculture, has been engaged in Extension work for eight years and is in position to utilize a greater proportion of the available funds than many other states. The fact that the Federal Act provided that this money shall be expended through the Colleges, and the further fact that the legislature in its wisdom at the last Session divided the Extension funds between the College and the Agricultural Commission will make it necessary to reconstruct the legislation for the future or to continue an uneconomic and inefficient piece of administration.

The importance of Extension work is generally conceded. The difficult practical problem however, will be to organize it in an effective way and to provide an efficient number of competent people to carry the plan into effect. A conservative attitude on the part of the legislature would seem, therefore, to be highly desirable.

#### THE GRADUATE SCHOOL.

March 22, 1911, the University Faculty adopted a report for the organization of the graduate work in the University. This report was presented to the Board of Trustees at a meeting held June 12, 1911, and adopted. This report contained the following recommendations:

1. That there be organized at this University the Graduate School of the Ohio State University.
2. That all legislation regarding the affairs of the Graduate School be sub-



ject to the approval of the University Faculty. This shall not be so interpreted as to prevent direct legislation regarding the Graduate School by the University Faculty.

3. That the administration of the Graduate School be vested in a council, (to be known as the Graduate Council) consisting of a Dean and twelve other members, so selected as to properly represent the various lines of graduate work.

4. That the Dean of the Graduate School shall have all the powers, duties and privileges that pertain to the office of Dean in the several colleges.

5. That the Dean be elected by the Board of Trustees upon the recommendation of the President of the University; and that the twelve other members of the Graduate Council be appointed by the President of the University for a term of three years, except that, of the original appointees, four shall be appointed for a term of one year, and four for a term of two years.

6. That the existing regulations concerning graduate work in the several colleges of the University remain in force until such time as changes may be proposed by the Graduate Council, and be approved by the University Faculty.

That while the Committee does not regard it as a part of its duty to outline the policy to be pursued by the Graduate Council when formed, it is the opinion of the Committee that all graduate courses offered should be introduced as at present in the Faculty of the appropriate college and, if passed, be referred to the Graduate Council for recommendation to the University Faculty and that all such courses when adopted should be printed as at present in the catalogue of the appropriate college as well as in the bulletin of the Graduate School.

Pursuant to this action the Board of Trustees at a meeting held June 28, 1911 appointed Professor William McPherson, Ph. D., Dean of the Graduate School. The Graduate Council of twelve was then appointed and the policies for graduate work steadily developed. The first appropriation for graduate work was made by the legislature in 1913 and became available for the current year. This money as recorded in Dean McPherson's report was used in providing fellowships and scholarships.

The Graduate School in its brief experience has already proved a stimulus to the Faculty. It provides the incentive to scholarship that opportunity for development does to a man in business. In a sense it may be agreed that a graduate school is for the salvation and development of a faculty since it provides against the tendency to monotony and deathly routine in teaching. The inspiring teacher needs the wider horizon that comes with his own participation in the activities of advanced and research scholarship.

Moreover the presence of the graduate school has developed the graduate attitude of mind in a portion of the student body and opened the way to the development of a body of young scholars who represent some of the best phases of university life. The contribution to university efficiency and to the general attitude toward scholarship would be in itself a sufficient justification for the generous maintenance of a graduate school.

## REPORTS TO THE PRESIDENT

I submit herewith as part of this report, the reports as presented by: (1) The Graduate School; (2) The College of Arts, Philosophy and Science; (3) The College of Agriculture; (4) The College of Education; (5) The College of Law; (6) The College of Pharmacy; (7) The College of Veterinary Medicine; (8) Dean of Women; (9) Agricultural Extension; (10) Department of Physical Education.

The reports from the department of Physical Education for both men and women are given in extended form in order that the statistics of service may be used for completion by those interested in Physical Education.

## CONCLUSION

The usual statistical tables as required by law are submitted herewith as a part of this report in the form of numbered appendixes. These tables will reveal the lines of progress and the development from year to year.

In closing the report it is a pleasure to record a year of good will and cooperative work on the part of the Trustees, Faculty and students in the administration of the University. Special mention is due to the men immediately in charge of the physical plant for conscientious and intelligent service rendered with commendable appreciation of the needs of the Faculty and students. The year has been free from exceptional causes of discouragement and has been marked by genuine progress.

W. O. THOMPSON,  
*President.*



## REPORT OF THE DEAN OF THE GRADUATE SCHOOL

DR. W. O. THOMPSON, *President, The Ohio State University.*

DEAR SIR:—I have the honor to submit the following report relative to the work of the Graduate School for the Academic year ending June 1914.

## REGISTRATION DURING THE SESSION 1913-1914

The registration for the academic year 1913-1914, including the summer session of 1913 amounted to 211. Of this number 60 attended the summer session only. With few exceptions this number includes only those who held baccalaureate degrees from accepted colleges and universities and who pursued at least one graduate course. In a few cases graduates of colleges not rated as meeting the standard requirements were admitted to the Graduate School but only when such graduates had a number of years of professional work to their credit since their graduation, and had shown a high standard of excellence in this work.

The distribution of the students registered in the Graduate School according to the departments in which they have taken their major and minor work is as follows:

<i>Depts. of Instruction.</i>	<i>Major</i>	<i>Minor</i>	<i>Depts. of Instruction.</i>	<i>Major</i>	<i>Minor</i>
Agricultural Chemistry..	12	10	Greek .....	0	2
Agronomy .....	6	1	Hist. & Phil. of Educa...	7	6
American History.....	8	9	Home Economics.....	0	1
Bacteriology .....	5	16	Latin .....	7	7
Botany .....	10	12	Mathematics .....	5	14
Chemistry .....	38	13	Mechanics .....	0	1
Civil Engineer.....	1	..	Metallurgy .....	0	4
Dairying .....	1	..	Philosophy .....	6	7
Economics & Sociology..	6	7	Physics .....	8	10
English .....	31	19	Political Science .....	1	4
European History.....	5	6	Psychology .....	7	6
Geology .....	3	5	Romance Language.....	5	10
German .....	14	6	School Adm. ....	6	19
Horticulture .....	1	1	Zoology & Ento.....	17	11

It is only fair to state that the relatively large enrollment in the departments of Chemistry and English is partially due to the fact that these departments have a number of graduate assistants in their instructional force.

In the following table is given the distribution of the graduate students, according to the colleges and universities from which they received their baccalaureate degrees:

American University.....	1	Catholic Univ. of America.....	1
Antioch College.....	3	Clemson College.....	1
Baldwin University.....	2	Colgate University.....	1
Buchtel College.....	2	Colorado Agricultural Col.....	1

Columbia University.....	1	Ohio University.....	7
Capital University.....	3	Otterbein University.....	3
Cornell University.....	1	Oklahoma Agr. & Mech. Col.....	1
Denison University.....	4	Oxford College for Women.....	1
Dartmouth College.....	1	Ohio Northern University.....	2
Defiance College.....	1	Ohio State University.....	117
Depauw University.....	1	Purdue University.....	1
Earlham College.....	1	Pennsylvania Col. for Women.....	1
Franklin College.....	1	Smith College.....	2
Grove City College.....	1	State Univ. of Iowa.....	2
Heidelberg University.....	3	Thiel College.....	1
Hiram College.....	1	Univ. of Cincinnati.....	5
Hope College.....	1	University of Indiana.....	1
Iowa Wesleyan College.....	1	University of Michigan.....	1
Kansas State Agr. College.....	1	University of Illinois.....	1
Lake Erie College.....	1	University of Cape of Good Hope	1
Lima College.....	1	Vassar College.....	2
Lawrence College.....	1	Washington University.....	1
Manchester College.....	2	Wabash College.....	2
Muskingum College.....	1	Wittenberg College.....	3
Miami University.....	6	Wooster University.....	5
Mount Union Scio College.....	1	Williams College.....	1
Oberlin College.....	3	Wilmington College.....	1
Ohio Wesleyan University.....	14		

THE SUMMER SESSION

In my last report I called attention to the great desirability of extending the list of graduate courses offered in the summer session. Our experience during the last summer session serves to deepen my convictions in this regard. Repeatedly teachers holding baccalaureate degrees from acceptable colleges and universities come to our summer sessions to pursue graduate work, only to find that they cannot secure the advanced work necessary for the degree sought. It would seem to be a poor policy from every standpoint for the only university in the State that makes a claim to giving graduate work in the summer session to be devoting so much of its energy to courses that are acceptably given in a number of colleges of the State and in some cases even in our high schools. Such a policy is forcing teachers who desire advanced lines of work in certain subjects, to go to other States for their graduate work, and many of them are doing this at heavy expense and against their own wishes.

REGULATIONS UNDER WHICH MEMBERS OF THE INSTRUCTIONAL FORCE OF THE UNIVERSITY MAY PURSUE GRADUATE WORK

During the year the Graduate Council discussed very fully the question as to the propriety of allowing members of the instructional force of the University to register in the Graduate School and to pursue work for an advanced degree. A committee consisting of Professors Knight, Bowen and Osborn was appointed to outline a policy and to present the



same to the Graduate Council. An agreement was finally reached which the Council believes will do justice to all and yet will safeguard the standing of the Graduate School. This agreement is as follows:

"Members of the instructional force of the University who are not above the rank of assistant professor and who are teaching full time may be admitted to graduate work provided (1) that the supervision of the subjects constituting their proposed courses is adequately provided for among other instructors of proper rank. (2) that the Graduate Council shall be assured that any such candidate has sufficient free time (at least equivalent to the carrying of three hours per semester) to enable him to make reasonable progress in his work. (3) that his major work shall be essentially research or seminar in character or shall be devoted to courses open to graduates only, and (4) that his admission and course of study shall be considered individually by the Council and receive the approval of a majority of the entire body".

The following resolution was also adopted:

"In case of graduates of this University who while members of the instructional force teaching full time become candidates for the doctors degree, at least one third of the graduate courses shall be taken in another institution offering equal opportunities".

It may be added that this action was taken because the Graduate Council felt that it was unwise for a student who is a candidate for a doctor's degree to have his collegiate experiences limited to a single institution.

#### RESEARCH WORK

Attention has been called in previous reports to the intimate relation existing between research work and a graduate school. The recognition of the importance of this subject led to the appointment of a special committee with instructions to consider the general question as to what could be done to further productive scholarship in the University. This committee consisting of Professors Leighton, M. B. Evans and Prosser, made a thorough study of the subject, cooperating to some extent with a similar committee appointed by the Society of Sigma XI. The recommendations made by this committee and adopted by the Graduate Council are of sufficient importance to warrant including them in this report:

(1) That it be the general policy of the university not to appoint to the rank of assistant professor or to a higher rank any person who has not already given clear evidence of power to do productive work.

(2) That in all promotions and increases of salary equal weight shall be attached to scholarly productiveness and teaching ability and that where evidence has been given of extraordinary scholarly productiveness this quality shall carry most weight. It should be the aim of every university to have a group of notable creative scholars.

(3) That normally no person shall be advanced to the rank of full professor who has not given evidence of continued activity in scholarly research since his original appointment. This condition is not intended to preclude increase of

salary when members of the instructing staff who are not productive scholars have shown extraordinary ability as teachers.

(4) That as soon as possible the expected number of hours teaching be reduced for those giving graduate instruction, and, indeed for all persons qualified for and engaged in productive work. The normal maximum number of calendar hours should be from eight to ten according to the subjects and methods of instruction, for those giving graduate instruction. This university should at once in the work of its instructing staff come down to the time standards in force in the leading state universities. In this regard our faculty should not be handicapped in comparison with the faculties of the universities of Wisconsin, Illinois and Michigan. We believe that those professors who give graduate work should have a maximum above which no productive scholar should under any circumstance go, but that there should be no minimum. If a man is of sufficiently high character and attainments to be made a professor it should be left to his own discretion to determine how many hours it is expedient for him to teach.

(5) That those members of the permanent instructing staff who are engaged in serious and prolonged efforts in the line of productive scholarship shall upon request, to be preferred through the Dean of the Graduate School, be relieved from a part of their routine duties.

(6) That a regular scale of minima and maxima in salaries for the various grades of teachers be adopted, together with a regular scale of increases to the maxima for length of service. This policy should not be regarded as fixing an upper limit for the salaries of distinguished scholars with the rank of full professors.

#### FELLOWSHIPS

The Graduate Council from its first organization has recognized the importance of a system of scholarships and fellowships as a necessary requisite in the establishment of a Graduate School. The sum of \$2,500.00 given to the Graduate School by the Legislature during the session of 1913, was used in the establishment of two fellowships of the annual value of \$500.00 each and six scholarships of the annual value of \$250.00 with the remission of all regular fixed university fees. Moreover, it was voted that fellows and scholars shall not be called upon for service to the university as assistants or instructors but in return for their compensation shall carry on such research work as may be assigned them by their advisors. The changing of the title of the previously existing fellowship to "Graduate Assistantships" is entirely logical and properly defines the character of these positions.

In this connection it is of interest to note the number of Graduate Scholarships and Fellowships offered by a few of the leading Universities:

Harvard: 39 fellowships ranging from \$400.00 to \$1,150.00; 91 scholarships ranging from \$150.00 to \$500.00. Total value of fellowships and scholarships \$43,825.00.

University of Chicago: 70 fellowships and scholarships ranging from \$120.00 to \$520.00.

University of Illinois: 82 fellowships and scholarships of the total value of \$25,500.00.

University of Wisconsin: 65 fellowships and scholarships ranging from remission of fees to \$400.00.



Cornell University: 50 fellowships and scholarships ranging from \$300.00 to \$500.00.

University of Pennsylvania: 40 fellowships and scholarships ranging from \$100.00 to \$800.00.

With these facts at hand it is evident that our own university must establish a system of fellowships and scholarships commensurate with those of other universities; otherwise we must be content with the more mediocre students as the best students will seek and will obtain fellowships in other universities.

#### OHIO STUDENTS IN THE GRADUATE SCHOOLS OF OTHER STATES

The lack of a highly developed Graduate School in Ohio has naturally led many of the students from our own state to pursue their advanced work in the graduate schools of other states; thus the catalog of the University of Chicago alone shows a registration in the Graduate School of 166 students from Ohio. Harvard has 32; Cornell University has 50; Wisconsin has 40 and Illinois has 15. It is safe to say that at least 400 men and women from Ohio are now registered in the graduate schools of other states.

It would seem to be the duty of the State of Ohio to provide the necessary facilities for the education of its own citizens and I have faith that the legislature, knowing the facts, will make such provisions.

#### THE ATTITUDE OF THE COLLEGES OF THE STATES TOWARDS THE GRADUATE SCHOOL

I do not believe that there is any question connected with the advancement of higher education in the state that would meet with more unanimity of approval than that our own university should build up a Graduate School commensurate with the dignity of the State. The Presidents of both the Ohio University and Miami University have offered of their own free will to lend their aid in securing from the Legislature whatever appropriation the Ohio State University deems necessary for the advancement of its graduate work.

It is earnestly hoped that the appropriation of \$2,500.00 made by the last Legislature is but the beginning of a liberal policy.

#### THE FINANCIAL NEEDS OF THE GRADUATE SCHOOL.

The University should have a special annual appropriation of not less than \$25,000.00 for the development of its Graduate work. Some of the ways in which such an appropriation can be wisely utilized are as follows:

1. It would enable the establishment of scholarships and fellowships. These should be open primarily to the graduates of Ohio colleges.
2. It would make it possible to invite members of the faculties of other Ohio colleges, who are eminent in their line of work, to deliver special courses

of lectures to graduate students. In this way it would be possible to utilize the best talent of the state in the development of the school.

3. It would enable the University to obtain the necessary apparatus for carrying on special lines of investigation.

4. Perhaps most important of all it would make it possible to relieve members of the faculties of the university, who are especially skilled in investigation, from a portion of their routine duties so that their energies could be concentrated in the line of work for which they are best fitted.

In conclusion Mr. President, I wish to thank you for the interest you have taken in the graduate work of the University and for your appreciation of the efforts of the Graduate Council in making the work of the Graduate School more effective.

Respectfully submitted,

WM. MCPHERSON.



## REPORT OF THE DEAN OF THE COLLEGE OF AGRICULTURE

COLUMBUS, August 1, 1914.

*President W. O. THOMPSON, Ohio State University.*

MY DEAR SIR:—I have the honor to submit the following report for the College of Agriculture for the year ending June 30, 1914.

During the year many things have occurred of importance to the College of Agriculture. On August 6, 1913, the State Agricultural Commission was organized by legislative act, to take charge of the agricultural agencies of the State, including the Ohio Agricultural Experiment Station, the State Department of Agriculture, the State Department of Dairy and Food, and the State Fish and Game Commission. The Dean of the College of Agriculture was made a member of the Commission, and through the Agricultural Commission the work of the College of Agriculture has been brought into closer relation with all other agricultural agencies of the State.

The opening of the school year showed an increase in the enrollment of the College of Agriculture of 214, which was an increase of 21.2 per cent over the enrollment the previous year. The increase was so great that an appeal was made to the State Emergency Board for relief, and \$7,472.00 were granted to the College to provide for additional instructors and new equipment. On account of the large enrollment it was found to be impossible to provide for the Winter Course students on the University Campus, and through the Agricultural Commission arrangements were made to open up the Fair Ground buildings for their use. Four buildings were fitted up and provided very satisfactory quarters for the Winter Courses in Agriculture, Dairying, and Poultry.

An important change in the curricula of the College has been made during the year, in abolishing the two-year courses in Agriculture and Horticulture and establishing in their stead three-year short courses in the same subjects, to be put into effect October 1914. The content of the courses has not been materially changed but the length of the school year has been shortened from nine months to five months. The courses open the middle of October and close the middle of March, allowing the farm boys to remain on their home farms during the entire growing season.

A change has been made in the system of free scholarships in the College of Agriculture that will have a far reaching effect. The Board of Trustees has abolished the scholarships that were awarded by the County Agricultural Societies, two of which were assigned to each county, and have established in their stead scholarships good only in the three-year short courses and good for the entire course, assigning three to each county, to be awarded under rules and regulations of the State Agricultural Commission; and scholarships in the four-year courses good

for the entire course, assigning twenty to each of the four districts into which the State is divided for Supervision of Instruction in Agriculture in the public schools, to be awarded under rules and regulations of the State Superintendent of Public Instruction.

The most important event in the year for the College has been the formal adoption of combination courses of study between the College of Agriculture and other Colleges of the State, which provide for students spending three years in their home institution and two years in the Agricultural College and at the end of the fourth year taking the degree from the home institution and at the end of the fifth year from the College of Agriculture.

During the year the following colleges have completed such arrangements:

University of Akron,  
Capital University,  
Baldwin-Wallace College,  
Antioch College,  
Wilmington College,  
Cedarville College,  
Ashland College.

In a material way — the College had added during the year a farm of 132 acres which was purchased at a cost of \$53,000.00. This land makes a valuable addition to the College and furnishes opportunity for carrying on experimental work in the near future in coöperation with the State Agricultural Experiment Station.

Two new buildings are under construction, one for Horticulture and Forestry, which is being built at a cost of \$150,000 and one for Zoology and Entomology and Botany, which is being built at a cost of \$125,000. Both buildings will be ready for use early in the school year.

This year has witnessed the third great measure for agriculture enacted into law by Congress, namely: provision for extension work by the College of Agriculture. In some respects this is the most generous provision the Federal government has ever made for agricultural education. It will make possible a comprehensive and a permanent system of agricultural extension directed by the College of Agriculture, that will reach to every nook and corner of the State. To meet the need of a greatly enlarged extension service it has been necessary to reorganize the Extension Department. Professor A. B. Graham, who has served most efficiently as Superintendent of Agricultural Extension for the past nine years, has resigned to accept a similar position with the New York State School of Agriculture on Long Island. The Extension Service will be divided into departments similar to the departments within the College. These departments will be in charge of men of



collegiate training and academic rank, who will be members of the University Faculty.

The College of Agriculture in common with other colleges of agriculture has grown in enrollment during the past few years at an astonishing rate, as shown by the following statement of the enrollment from 1909-1914.

ENROLLMENT IN THE COLLEGE OF AGRICULTURE  
(EXCLUSIVE OF WINTER COURSES)

	1909	1910	1911	1912	1913
	475	665	919	1,046	1,234
	WINTER COURSES				
	256	159	212	273	205
Total .....	731	824	1,131	1,319	1,439

Owing to the overcrowded condition in the College, many of the departments have worked under great handicaps. The following excerpts from the reports of some of the departments give an idea of the conditions existing in the respective departments.

AGRICULTURAL CHEMISTRY

Professor Vivian reports as follows: "I beg to submit the following report of the Department of Agricultural Chemistry for the year 1913-1914.

Number of four-year students in both semesters.....	623
Special six weeks lectures to class in feeding.....	66
Two-year students .....	80
Winter Course .....	180
Summer term 1913.....	30
	979

The number of instructors has been entirely inadequate for the number of students, so while everyone in the department has worked for long hours we have the feeling that from the standpoint of both students and instructors the year has been an unsatisfactory one.

The class in Course 103-4 was so large (205) that no room in this building would accommodate them so the recitations were held in the auditorium of the Veterinary Clinic Building. This arrangement was very unsatisfactory on account of the impossibility of transporting all the illustrative material desired.

Our laboratory facilities are almost taxed to the limit and if the classes increase very much in size some provision will have to be made for more laboratory space. As it is we will have no place for laboratory work for the students in the new Short Course, although it is extremely desirable to have them do laboratory work."

## DAIRYING

Professor Erf reports as follows: "The work of the Dairy Department may be classified under the following heads: Instructional Work, Commercial Work, Advanced Registry Work, Correspondence and Improvement Association Work, Extension Work, Correspondence and Office Work, Exhibits and Experimental Work.

*Instructional Work.* The Department has given instruction to 624 students, which were divided into the following classes:

	<i>Students</i>
Farm Dairying (102).....	76
Principles of Dairying (101).....	127
City Milk Supply (103 and 104).....	52
Buttermaking (105 and 106).....	51
Cheesemaking (107 and 108).....	18
Elementary Dairying (109).....	67
Milk Condensing and Ice Cream Making (110).....	13
Dairy Mechanics (111).....	14
Advanced Dairying (117 and 118).....	3
Advanced Dairying (113 and 114).....	32
Advanced Registry Students.....	84
Winter Course .....	120
Dairy Short Courses.....	23
Total .....	680

This makes an increase over last year of 226 students. In addition to the head of the Department, three regular instructors have been employed and four student assistants a part of the time. Attention should be called to the fact that while there has been an increase of nearly fifty per cent in the number of students, the number on the instructional force has remained the same. We believe the instruction given has been as good as possible under the conditions. More satisfactory results could have been obtained with more room and better equipment. The use of the Fair Grounds for the Winter Course men relieved the situation considerably, but on account of the increase in the number of regular students, the Department has been handicapped greatly by lack of sufficient room. For the coming year we would urge that additional room, a larger instructional force, and more equipment for the laboratories be provided.

*Commercial Work.* To June 1, 1914, for eleven months the sales were as follows:

Butter —			
Laboratory Sales.....	13,856 lbs.		\$4,849 66
Wagon Sales.....	11,026 lbs.		4,001 56
Total Sales.....	24,882 lbs.		\$8,851 22



## Milk—

Laboratory Sales.....	2,669.5 qts.		\$ 266 95
Wagon Sales.....	47,817 qts.	41,912 pts.....	6,887 80

Total Sales.....	50,486.5 qts.	41,912 pts.....	\$7,144 25
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## Cream—

Laboratory Sales.....	499 half pints.....	\$ 49 95
Wagon Sales.....	8,818 half pints.....	881 80

Total Sales.....	9,317 half pints.....	\$ 931 75
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## XX Cream—

Laboratory Sales.....	99 half pints	\$ 14 85
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## Buttermilk—

Laboratory Sales.....	7,735 qts.	\$ 386 77
Wagon Sales.....	817 qts.	40 85

Total Sales.....	8,552 qts.	\$ 427 62
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## Skim Milk—

Laboratory Sales.....	926 gal.	\$ 92 62
Wagon Sales.....	29 gal.	2 95

Total Sales.....	955 gal.	\$ 95 57
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## Cheese—

Laboratory Sales.....	6,654 glasses	\$ 665 44
Wagon Sales.....	88 glasses	8 80

Total Sales.....	6,742 glasses	\$ 674 24
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## Fermented Milk—

Laboratory Sales.....	2,936 half pints	\$ 146 80
Wagon Sales.....	1,212 half pints	60 60

Total Sales.....	4,148 half pints	\$ 207 40
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## Ice Cream—

Laboratory Sales.....	20 gallons	\$ 19 40	\$ 19 40
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Grand Total.....			\$18,366 30
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Following is given the amount of supplies and the sources from which they are obtained:

	Lbs.	
	Butter Fat	Lbs. Milk.
F. R. Bookwalter .....	1,155.08	
J. W. Call .....	677.64	
S. P. Davis .....	1,119.08	
S. N. Dixon .....	1,915.81	
W. H. Fisher .....	478.45	
Miss Mary Hess .....	1,233.58	
E. E. Kiger .....	1,106.72	
J. W. Kiger .....	461.32	
Luther Mitchell .....	1,183.55	
Pickerington Creamery Co. ....	446.52	
A. W. Steckel .....	1,460.32	

	<i>Lbs.</i>	<i>Lbs. Milk.</i>
	<i>Butter Fat</i>	
Ed. Thomas .....	5,924.83	
Westerville Creamery .....	30.42	
T. P. White .....	549.11	
F. M. Wilson .....	2,853.52	
	<hr/>	
	20,595.95	
Bert Smith .....		128,435
H. H. Hamilton .....		51,174
Ohio State University.....		106,286
Westerville Creamery .....		3,451
		<hr/>
		289,346

The amount appropriated for the year for labor and supplies was \$19,500. By the end of the year approximately \$21,000 will have been turned over by the Department, giving us a credit balance of \$1,500.

*Advanced Registry Work.* The work of testing cows for the Advanced Registries and the Registry of Merit has increased at an enormous rate. Six years ago there were only five cows tested by the Department. During the past year, from May 1, 1913 to May 1, 1914, there were 1,313 cows tested. Of these, 844 were Holsteins, 255 Guernseys, 103 Jerseys, 94 Ayrshires and 17 Brown Swiss. In the year 1914, we will test close to 1,700 cows. The Department during the past year has employed 71 supervisors, averaging 313 days' work each. About sixty per cent of the testing was done in the northeastern part of the State, twenty-five per cent in the northwestern part of the State, five per cent in the central, five per cent in the southwestern and five per cent in the southeastern.

The owner of the cows pays the supervisor's expenses and two dollars per day. The balance of the cost of the work—the copying of the records, telegraph and telephone messages, correspondence, directing the supervisors and checking the composites, is borne by the University, \$2,500 being appropriated for this work. Advanced Registry work is doing more to develop the dairy industry in the State than any other line of work that is being carried on.

*Co-operative Cow Improvement Association Work.* During the past few years five Co-operative Cow Testing Associations have been organized by the Department. Two have completed their year's work and three are in successful operation at the present time. Very little work along this line has been done on account of the lack of funds. The chief difficulty in organizing an association of this kind lies in the fact that we have no men of experience to stay with the association until it is started. We would suggest that men be provided to organize these associations and stay with them for about four months, training the man who is to test for the association and giving the members a



knowledge of its operations. Then he should occasionally visit each association that he has organized, spending a few days in looking over the work and seeing that everything is going as it should. At this time he would be able to make suggestions for improving the dairy and increasing the capacity of the individual cow. For raising the average production of grade cows, making the business more profitable to the farmer and reducing the cost of the product to the consumer, there is no better method than by the Co-operative Cow Improvement Association."

#### FORESTRY

Professor Lazenby reports as follows: "There have been no essential changes in the course during the past year.

It is our aim to follow closely as our conditions will permit, the "Conference of Forest Schools." This Conference has agreed that the requirements for training in professional forestry should be equal to those for the other learned professions, such as civil engineering, mechanical engineering, law, medicine, etc. It emphasizes the need of a thorough foundation in subjects of a general educational character and advocates a collegiate training in history, economics, English, and foreign languages, as well as in chemistry, botany, geology, and other auxiliary scientific subjects.

It has further agreed that the course should comprise at least four years of undergraduate work for the degree of Bachelor of Forestry.

In the case of Graduate Schools, there should be at least one year of post-graduate work in technical forestry, making a five-year course altogether; and no degree of Master of Forestry should be granted to any student who has not had at least two years work in technical forestry either in the graduate course or in the graduate and undergraduate courses combined.

Forestry education in this country is scarcely fifteen years old and yet there are twenty-two institutions that meet the requirements of the "Conference of Forest Schools." Of this number, however, only eight offer work beyond the requirements of the undergraduate course.

We are not of this latter number, but when the new building is completed and our well equipped laboratories available, we should not hesitate to take this advance step. While a "short course" in Forestry does not appear desirable, a "Ranger School" to correspond in some respect with the short (3 year) course in Agriculture should be considered. The main purpose of the Ranger School should be to train men in practical forestry for such positions as forest guards and rangers, and to be able to supervise labor in reforestation, lumbering, etc.

In European countries where forestry is well developed, ranger schools have become an established part of the general system of forestry education, and the courses of study and practice are as definitely organized as in the regular school of forestry.

The ranger school should bear the same relation to professional training in forestry as the business college bears to university instruction in economics and commerce. Its aim is to teach the art or trade of forestry practice, rather than the science of forestry.

The means of outdoor illustration should be extended. For seed-beds and seedling transplants we should have two acres of ground just west of the new building. This is an imperative need. For plantations of young trees, assignment of land along the river or at some other point on the university estate can be made from time to time. Then nursery ground should be assigned at as early a date as possible, for nursery work should be begun in a permanent place at the very opening of the next college year.

The plantation already established just west of the University woodlot serves an extremely useful purpose and should be maintained.

Owing to the urgent demand for land by other departments, no extensions of these plantations will be made.

The woodlot has been seriously injured as a means of illustration, and its very continuance menaced by the campus committee or some other authority.

It seems almost criminal that this University woodlot which is one of the most attractive features of the University estate, and a fair sample of the average or better woodlots found on farms all over Ohio, should be so abused. The Forestry Department will assume no responsibility as to the condition of the woodlot, unless it is given such control as will prevent the reckless mutilation and, from a forester's point of view, certain destruction of what should be regarded as of priceless value.

In closing I wish to suggest that the new building be called "Warder Hall." By so doing we will honor the "Father of American Forestry," who was a great horticulturist as well, also an Ohio man.

If the name "Warder Hall" can be cut in the stone over the central arch of the entrance, "Forestry" be cut in the stone over the north arch, and "Horticulture," similarly over the south arch, both the name and designation of the building would be clearly shown. I sincerely hope this may be done."

#### HOME ECONOMICS

Professor Edna White reports as follows: "There has been some attempt to supervise Extension work in the field, though it has been impossible to do this very efficiently, although close connection has been maintained between the department and the field workers, and a successful home-maker's school was held at the University during February.

The pressure of outside demands upon the department is becoming more and more insistent. These demands seem to be largely a result of the statewide recognition of the value of trained workers wherever the problems of living conditions are encountered and are for this reason



entirely legitimate. A beginning along these practical lines is being made through the dietetics, seminar and teacher's courses."

#### ZOOLOGY AND ENTOMOLOGY

Professor Osborn reports as follows: "The work of the Biological Survey has been advanced with the funds made available by the legislature and several studies are under way in different parts of the State. Particular problems are being studied by Professor Walton, Kenyon College; Dr. Breitenbecher, Western Reserve University; Professor Fink, Miami University; Professor Fullmer, Baldwin-Wallace; Professor Grover, Oberlin College, and some other studies are in progress by members of the departments here. These will result in papers which should be ready for publication within the next year or two and which will be important contributions to the Biology of the State. One bulletin issued last fall upon the "Syrphidae of Ohio" has been very favorably received and two bulletins now in press—one a catalog of the State Flora and the other a Botanical Study of the Sugar Grove Region, will, I believe, fill an important place in the publications relating to the botany of the State. While this project may be considered as in its initial stage, I believe that such progress has been made as to fully justify our expectations concerning the services that may be rendered to the State by members of the different faculties of the various colleges.

Under the Agricultural Commission there has been a plan developed for the coordination of the Entomological activities in the State which should be of distinct advantage in securing the most efficient work in these lines. The most important feature, perhaps, of this agreement is the establishment of a basis upon which to distribute and correlate the work in the different departments concerned with Entomological investigation, instruction and practice, and in a provision by which the members of the different staffs will meet annually for the purpose of discussing the entomological needs and projects to be carried forward in the State.

The department has cooperated, as heretofore, in work at the Lake Laboratory, where a number of instructors from other institutions have been present and prospects for further work in this connection are distinctly promising.

The department has also had a profitable relationship with the Board of Health, and the opportunity for cooperation with that division in certain investigations seems likely to be of distinct mutual benefit."

Respectfully submitted,

H. C. PRICE, *Dean.*

## REPORT OF THE DEAN OF THE COLLEGE OF ARTS, PHILOSOPHY, AND SCIENCE

COLUMBUS, July 1, 1914.

DR. W. O. THOMPSON, *President The Ohio State University*,

DEAR SIR:—I have the honor to submit my report as Dean of the College of Arts, Philosophy, and Science, for the year ending June 30, 1914.

## ENROLLMENT

The College enrolled 952 students of whom 410 were women. The gain over the previous year was 98, a very satisfactory increase. Not included in these figures were 231 students registered in the summer session of 1913 as members of this college.

## LEAVES OF ABSENCE

There were absent on leave Professor James E. Hagerty of the Department of Economics and Sociology, Professor George H. McKnight of the Department of English, and Professor S. C. Derby of the Department of Latin. Professor F. A. McKenzie of the Department of Economics and Sociology was granted leave of absence from April 1, 1914, on account of illness.

## EMERGENCY APPOINTMENTS

Unforeseen increases in enrollment in certain departments made additional assistance imperative at the beginning of the Fall semester. Two student assistants were thus provided for American History; J. Forest Craig was appointed instructor in English; Wilmer C. Harris instructor in European History; Theodore F. Kotz, instructor in Geology; and A. P. Moore instructor in Romance Languages.

The death of Professor Josiah Renick Smith, February 15, 1914, created an acute emergency in the Department of Greek Language and Literature over which Professor Smith had presided with distinction for more than twenty years. To meet this emergency, Professor R. V. Schmitt of Capital University was appointed Acting Professor, and Mrs. Martha Guerin Elden, Acting Instructor for the remainder of the year. Both have rendered excellent service during the critical period in the history of the department. The appointment of Professor George Melville Bolling, Ph. D. (Johns Hopkins) to the chair made vacant by the death of Professor Smith is assurance that the fine traditions of the department will be preserved.

## NEW ADMISSION REQUIREMENTS

One of the new laws passed by the last legislature compels the College of Arts, Philosophy, and Science to receive unconditionally into



its Freshman class the graduates of those Ohio high schools that are classified as first-grade. In anticipation of this law (which does not go into effect until 1915) we have revised the requirements both for admission and for graduation. The law undoubtedly means that we must accredit any fifteen units on which a first-grade high school is willing to grant a diploma of graduation. Some have feared that this would result in lower standards. The fear is groundless. For in the first place the board which assists the state superintendent in inspecting and classifying high schools includes two representatives of this university, and these are the very same officials who have heretofore been our own high school visitors. In the second place the board as a whole is made up of school and university officials who must be credited with as high a devotion to good standards as has obtained hitherto. In the third place the revision of our requirements for a degree makes it certain that by the beginning of the junior year in college every candidate will have studied as much language, science, mathematics, history, English, and other branches, as he has hitherto been required to study. In this respect the law compels no change. The total specific requirements for a degree (high school and college together) will remain as they have been regardless of action by the new board. If the student from a first-grade high school brings less foreign language than hitherto, he will study foreign language correspondingly longer in college, and with credit towards his degree. Such a student will inevitably bring more science or more history or more of some other subject as an offset, thereby releasing an equivalent amount of his college time for the studies that we compel him to continue.

It is conceivable that a graduate of a commercial or other highly specialized school might come with a preparation so narrow and one-sided as to render it impossible for him to fulfil the requirements for a degree in the usual four years; but it is doubtful if any board of inspectors would continue to rate as first-grade a school that permitted graduation on so narrow a foundation. It is also conceivable that a graduate of the ordinary high school might present a preparation so miscellaneous and scattered as to render necessary a five-year residence in college before the degree could be conferred. Such cases however if numerous would naturally lead any board to prescribe definitely for high schools of the first grade a program of major and minor studies that would ensure for each graduate a consistent course upon which higher studies might proceed without loss of time, — such a course for instance as is now the basis for admission to the University of Chicago. In any event instances like these will be highly exceptional, as an examination of numerous programs of commercial, manual training and other high schools shows. Graduates of these will usually present two instead of four units of foreign language and will be obliged to study foreign language in college a correspondingly longer time.

The new law should bring several beneficial results. First, it recognizes the organic relation between high school and college and compels the college to consider the educational program of each student individually as a unit of eight years, the last four of which are to be modified partly in view of the content of the first four. Secondly, it puts a stop to the imposition of trivial and merely technical entrance conditions upon graduates of first-grade high schools. It rightfully presumes fitness for college in such graduates. Thirdly it permits the local high school to serve its constituency freely without dictation from the colleges. Fourth, it permits the far-seeing student or his parents to plan more extensively than hitherto for his total education; for instance to put into his high school course the maximum training in the languages; and to admit no half-unit subjects whatever to his high school program, even though these should be allowed for high school graduation. I consider this the wisest piece of school legislation that was enacted by the last legislature. It is the full recognition of a state system of schools.

#### HIGH SCHOOL AND COLLEGE

The new law as to admission does not increase appreciably the amount of elementary work that the university must undertake. In our own university the total increase is represented by two classes in Latin. It is doubtful if even these will be necessary; for ninety per cent of our students offer at least two units of Latin for admission. In fact Latin is still the language study of the high schools of Ohio and bids fair to continue so. Apart from this consideration, there is no good reason why Latin should not be offered in a great university as a beginning study for those who want it, just as Greek, French, German, Spanish, and Italian are already offered and have long been offered. Gradually as an inevitable effect of the introduction of the elective principle into the secondary schools, the universities have been compelled to increase the number of studies which may be pursued either in the later high school years or in the early college years. The number of such studies is perhaps only one or two for any one student, but the total duplication of effort involved is very large and also expensive. Every science may now be begun in college or in high school, indifferently. The same is now true of every language. It is true to a less degree of all the other subjects, including mathematics, history, drawing, shop work, manual training, and domestic science. There is now complete correlation here of high school and college work in the sciences and languages; in the other subjects named correlation has not gone very far as yet. But correlation will not lessen duplication of effort on behalf of students who having omitted a subject in high school desire to begin it in college. Such duplication is inevitable. The theory that on entering college, the student should find open to him only those studies which he has already begun will never be accepted; nor will there ever be a complete division



of the educational province between the secondary and higher institutions. The tendency is in the opposite direction. It is in the direction of extending the secondary school upward. At present a graduate of our large city high schools (if allowed to remain a year longer) would find at least one full year of work available in languages and sciences and other subjects that he had not studied, which would count towards his degree in college; and it is surprising that more students do not choose this method of fulfilling at home the requirements at least of the Freshman college year. Such a privilege is now allowed in twenty-two or more high schools in this country and it could be offered in a few Ohio cities at a trifling increase of expense. It is probably by this method that relief will come in time from over-crowded Freshman sections. The increase in junior high schools in this country, in which certain high school subjects like Latin and Algebra are begun (on a departmental organization) in the seventh and eighth grades will also have the desirable effect of carrying the work of the high school farther into the work of the college.

#### SPECIAL STUDENTS

The proportion of special to regular students in this college shows a tendency to increase slightly from year to year. In 1910 in this college, 26 of the 266 admitted were classified as "special"; in 1911, 34 of the 332 admitted; in 1912, 36 of the 330 admitted; in 1913, 44 of the 368 admitted. These figures are misleading if understood to mean that all of these students were unable to meet the entrance requirements. The term "special" should not be used to include students who meet fully the entrance requirements; but who for good reason are allowed to take only part work, or to concentrate their work for a year in a single department or two, or to postpone certain fixed requirements for graduation. We have students of all of these varieties. Quite a number plan their curriculum to cover five or six years in order to leave time for the study of music or art, outside of the university, or for self-support, and some are teachers in the schools who find time for only a course or two in college, but the work of all these is regular as far as it goes. They are desirable classes of students. The undesirable "specials" are those who wish merely a university connection without having completed a regular preparatory course. They are refugees from high schools or from private preparatory schools which they have tried in succession, without obtaining a certificate of graduation. We do not admit such knowingly but there are cases in which an admission on brief probation seems the only just course. I believe that no great injustice would follow if the minimum age at which a student might without passing all entrance requirements were raised from 21 years to 23 years.

## NEW POINT SYSTEM

The College of Arts, Philosophy and Science has adopted in connection with the new marking system an additional requirement for graduation. Hereafter the student must have credit not only for 120 hours but also for 120 points. In computing points the mark P ("bare pass" or "low pass") counts for .8; A (average) counts 1; G (good) counts 2; and M (merit) counts 3. Under this system the exceptionally competent student who wins the mark M in all of his studies would be able to win his degree in three and one-half years. The student who receives the mark P in all of his studies would require five years in order to gain 120 points. The student who barely passes in one study but who excels in another will maintain a satisfactory average. The generally deficient student will be eliminated by the operation of the following rule:

"Any student who for two consecutive semesters fails to earn honor points amounting to at least 80% of the credit hours carried, shall cease to be a member of the University; and any student who, having taken 90 credit hours shall not have earned 72 honor points or more, shall cease to be a member of the University."

The aims of this system are (1) to bring pressure upon the lazy and the idle, and after fair trial to eliminate the incompetent; (2) to provide an incentive to the capable to do their best work, and to provide an index of relative scholastic achievement as a reward in itself, or as a basis for academic honors. I believe that this system will make for quality; for a better grade of work among all classes of students.

## COMBINATION COURSES WITH MEDICINE

With the annexation of a medical college to the University, the College of Arts, Philosophy and Science has promptly provided two new combination courses,—one a seven-year course in Arts-Medicine, the other a six-year course in Science-Medicine. The first of these permits a Senior in Arts to register as a Freshman in the Medical College and the degree of Bachelor of Arts is conferred at the end of the first year in Medicine. The second of these permits a Junior in Arts to register as a Freshman in the Medical College and the degree of Bachelor of Science is conferred at the end of the second year in Medicine. These combination courses are a special privilege for those students who maintain a grade of "A" or better in the College of Arts, Philosophy and Science. Moreover they cannot be entered upon by any student who is behind his class in the total number of hours required or in the specific requirements for the degree in Arts or Science. They contain as required studies the pre-medical subjects recommended by the American Medical Association for such courses. After 1916, our Medical College will require two years of college work as prerequisite for admission to its work,



with certain fixed ingredients. It does not follow that after 1916 all students in the Medical College will receive the degree of Bachelor of Science at the close of their second year in medicine. That distinction will be reserved for students of at least "A" grade. As the purpose of these courses is to provide a better preparation for the college of medicine, it follows that the work in the College of Arts, Philosophy, and Science must be entirely passed before work in the College of Medicine is begun.

#### COLLEGE COMITY

The College of Arts, Philosophy, and Science has for many years prescribed fifteen credit hours as the normal amount of work that the average under-graduate could well accomplish, and in no case during the last six years has permitted any exception to the University rule which names 18 hours as the maximum that may be permitted even the best student. The Colleges of Agriculture and Engineering require of every student an average of  $17\frac{5}{7}$  credit hours throughout his four-year course. Moreover the Colleges of Education and Engineering permit credits for "practical work" or "experience" in certain courses and in one of these colleges, "experience" may even be substituted for the language requirement for graduation. The Summer Session which is organized as a half-semester, also permits students of all kinds, without question, to undertake nine credit hours, that is, the maximum allowed to the best students during the university year, and, without much question, to undertake ten or even eleven credit hours. Much to be desired is an agreement among the colleges on the pedagogical issues raised by the facts just cited. In the absence of such agreement the College of Arts, Philosophy, and Science, will accept on transfer from other colleges within or without this university a total credit of not more than fifteen hours for each semester of residence.

#### CLASSES FOR TEACHERS

By a change in university rule the schedule committee is empowered to schedule classes up to six o'clock in the evening. At the request of this college, the following departments have agreed to carry on at least one class late in the afternoon or on Saturday morning: French, Zoology, European History, English (three classes). This is done for the special benefit of grade teachers who wish to carry one or two college studies with a view ultimately to obtaining a degree. Should these classes fill, the list of offerings will be increased from year to year.

The College has had a very satisfactory year; I believe the best year in its history thus far. There is complete harmony in its faculty, and the standard of work maintained among the students is unquestionably high.

Respectfully yours,

J. V. DENNY,

Dean.

## REPORT OF THE DEAN OF THE COLLEGE OF EDUCATION

COLUMBUS, OHIO, June 22, 1914.

DR. W. O. THOMPSON, *President of Ohio State University.*

DEAR SIR:—In submitting my annual report for the work of the seventh year of the College of Education, I do so with unusual encouragement in the progress which has been made for the training of teachers. While there lingers in the minds of many of the members of the University faculty the evident belief that all that a person needs in order to be a good teacher is a knowledge of the thing he wants to teach, those who have been frank enough to make a study of the methods and processes of teaching have come to a realization of the real technique in the profession of teaching and the field of scientific investigation which is open for earnest students of education. Not only is their skill to be developed in the teaching process but there is a vast content of material regarding the teaching business to be mastered.

Another encouragement comes from the character of work which is being done by our graduates. They are so uniformly successful even in the first year of their experience that superintendents are requesting that we send to them only those who have been trained in the college of Education. One Superintendent, who tried one of our graduates this year for the first time, says he will look to us constantly for his teachers. Another says, "your graduates teach like experienced teachers."

A third source of encouragement has come from the departments. From this source we had reason to expect discouragement this year, for many things happened to cripple the teaching.

Since writing my last report, Mrs. Mary R. Laver, the head of the department of art, was called to her heavenly reward. She had been very successful in the organization of this department for five years. She was popular with her students and created in them an earnest spirit for art. She sought to have her work minister to the happiness and moral ideals of her students. She magnified in her work and in her personal contact with students and teachers, a refinement, a culture, a generosity, and a dignity which elevated her work. She became an influence in the art association of this State and of the nation. Mrs. Margaret Finney Dachnowski, her assistant, has carried the work along this year with satisfaction. But, as she will want to give her time to her home, some change will be necessary soon. If a man can be found to head this department, there is a character of work which he could do beyond what could be required of a woman. It is found in the opportunity which lies before the department of relating itself to the art forces of the community and state. The various art schools, the art clubs, the newspapers, the cartoonists, the amateur painters, all need leadership. Then the legislative forces of the state should be brought



to a comprehension of the state's opportunity. We, in America, are missing many of the finer things of life which belong to older countries, because we are not trained to enjoy them. Two of these are art and music. Surely the best instrumentality which the state has for developing these finer things in our lives is the University.

Manual Training has made a distinct progress this year. Some very definite ideals have been set forth and a complete program worked out for the realization of these ideals. Another year will send out some young men capable of leadership in this phase of public school effort.

Just at the beginning of the academic year, Professor F. P. Graves resigned as head of the department of the History of education. By his writing and research, he had brought his department into some prominence throughout the country and we were sorry to lose him. The teachers College of Columbia University showed its generosity by lending a member of its staff from the department of the history of education. After a month's work, he developed some mental aberration resulting from over work which resulted in the destruction of his life. After that Prof. A. R. Mead, who was pursuing graduate work at Columbia, carried the work of the department through the first semester. Through the second semester, Professor Geo. F. Arps of the department of psychology, taught the classes in history of Education. While such interruptions are not desirable, it must be stated that the extreme energy and effort put forth by the different teachers developed unusual interest and most satisfactory results in the history of education.

The department of principles and practice has aroused a new interest in the subject of practice teaching. Not only have the practice teachers done excellent work this year, but many of the teachers in the public schools demanded extra work in this department and Dr. Lowden organized a special course for them. Under his instruction these teachers developed a new zeal for their work. It will be impossible for Dr. Lowden to carry on the practice work alone next year, as there is every indication that classes will be doubled.

The department of psychology, under pressure of requirement for our degree and the new professional standards established by legislation, has been growing rapidly in numbers. A large field is opened for this department in our state. By a proper correlation of this department with the normal schools, both state and county, many problems of child education can be successfully studied. The enlargement of our laboratory with its splendid equipment for educational research makes it possible now for teachers in the public schools to get direction and help which they could not have had previously.

School administration has had a successful year. This department had opportunity to give more help to the school survey than was given by any other state agency. Now, that supervision has become universal throughout the state, new demands will be made upon this department.

It should be made especially helpful to the state superintendent of public instruction and should be ready always to serve his office.

The placing of two of the members of the faculty of the college of education upon the high school board of inspectors furnished a definite link between the public schools and the University. This gives no recognition of superior rights to either institution, but helps to perfect the organization of the state's forces for the education of her youth.

The great need of the college of Education at present time is a plant of its own. It should have one building for recitation, office and laboratory purposes, and it should complete an arrangement with the city board of education for a high school upon the campus. An unusual opportunity is before this college and should not be lost by further procrastination. The completion of these plans would place the Ohio State University in a distinctly advanced position in its work for public schools.

For the uniform courtesies which have come to me from members of the faculty and for the constant support from your office, it is my pleasure to make a heartfelt acknowledgment.

Respectfully submitted,

(Signed) W. W. BOYD,

*Dean.*



## REPORT OF THE DEAN OF THE COLLEGE OF LAW

COLUMBUS, June 23, 1914.

DR. W. O. THOMPSON, *President, The Ohio State University.*

DEAR SIR:—I have the honor to submit the following report on the conditions of the College of Law for the year 1913-1914.

No changes have been made in the course of study in the College of Law during the past year.

By action of the Law Faculty, approved by the University Faculty and Board of Trustees, the rule granting degrees to graduates of high schools who merited fifty hours or more in the College of Law was repealed, so that as the rule now stands two years of college work are required of all candidates for the degree of Bachelor of Laws.

By like action of the faculties and Board of Trustees the entrance requirements for the College of Law to take effect in September, 1915, have been increased so as to require one year of college work for admission, with the further declaration that it is expected in the near future to require two years of college work for admission. The rule in regard to the admission of special students is retained.

By joint action of the University of Akron and Ohio State University a combined Arts-Law Course for these two universities has been established. In its essential features it is like the Arts-Law Course of our own University, and in effect the first year of the Law Course is substituted for the senior year in the University of Akron. The President of the University of Akron has written that already three students have entered for this Arts-Law Course.

Some correspondence has been had with the President of Miami University in regard to the establishment of an Arts-Law Course with that University, and it is under consideration with favorable prospects.

Professor William Herbert Page was granted a leave of absence for the year 1913-1914 and has spent the year at the Law School of Harvard University engaged in graduate work leading to the degree of Doctor of Laws.

Professor William B. Cockley has been granted a leave of absence for the year 1914-1915 and expects to spend the year at the Law School of Harvard University engaged in the same work as Professor Page.

During the absence of Professor Page, Professor C. E. Blanchard has been giving several courses in the College of Law.

Judge John A. Shauck after long and faithful service in the College of Law since 1900 retires voluntarily with the close of the current year. Judge Shauck's term on the Supreme Court bench of Ohio ends December 31, 1914, and as he does not expect to remain in the City of Columbus, he retires from his work in the College of Law.

ANNUAL REPORT

The total number of students enrolled in the College of Law during the past year was 186.

Respectfully submitted,

JOHN J. ADAMS,  
*Dean of the College of Law.*



## REPORT OF THE DEAN OF THE COLLEGE OF PHARMACY

COLUMBUS, OHIO, July 1, 1914.

DR. W. O. THOMPSON, *President, Ohio State University, Columbus, O.*

DEAR SIR:—As Dean of the College of Pharmacy, I have the honor to submit herewith my report of the College of Pharmacy for the year ending June 30, 1914:

The number of students enrolled in the College during the year was 96. (86 men and 10 women.)

Of this number 61 (55 men and 6 women) were enrolled in the Short Course; 32 (28 men and 4 women) in the Long Course.

Three were registered as Special students.

In addition, 12 from the College of Veterinary Medicine took the course in Pharmaceutical Latin, and 2 from the College of Arts took the course in Materia Medica.

It is very gratifying to be able to report that the quality of work during the year has been the best in our experience. We have been able to cover a greater range and with a greater degree of thoroughness than heretofore.

The reason for this is in the fact that the grade of students now coming to us has shown a great improvement. They come with a much better preparation and seem to be possessed of a higher ability.

In addition to the regular work assigned in the Courses, we have been able to keep in touch with proposed changes in pharmaceutical methods. The ninth revision of the United States Pharmacopoeia is now nearing completion. Throughout the year we have had numerous comments and digests on proposed changes and additions to this authoritative text and have been able to try out many of the new methods proposed and make comments and criticisms thereon, and thus make ourselves felt in the decisions and acceptance of these proposed changes.

Two of our Courses in particular have been greatly developed. Drug Testing and Pharmaceutical Assaying, and Microscopic Examination of Drugs have been well developed and as now conducted afford an excellent training for those who expect to take up technical work, either in manufacturing or as Food and Drug Chemists.

Owing to the crowded condition of the Chemical Laboratories, it was thought best that the students in Pharmacy should conduct their work in Quantitative Analysis in the Pharmacy Laboratory, using for this work the same desks used for their work in Pharmacy proper. From this it has happened that the instructors having oversight of the laboratory work have also largely carried on this much of the work belonging to the Department of Chemistry. The condition is not altogether satisfactory, but still seems better than to further tax the Chemistry Laboratories, and it seems this arrangement should be continued until such time

as further space may be provided for both the Department of Chemistry and the Department of Pharmacy.

More strict supervision of laboratory work has been had during this past year than heretofore and with very gratifying results.

The Chemical and Pharmaceutical Library has been added to to quite an extent, the library fund allotted to the College having been spent in a careful selection of books bearing on the work in hand, and in addition a number of donations of sets of journals, reports, etc., have been received and altogether the library in the Chemical building is becoming highly useful and is being constantly used.

During the year one inspection trip was made by the advanced students, covering a period of three days, during which several of the largest pharmaceutical manufacturing establishments in the world were visited. Our students on this trip were given every opportunity to inspect pharmaceutical and chemical processes as carried on in a large way and were shown every courtesy by the companies visited. These inspection trips are considered of great value to the students and it is hoped in future years to devote more time to them.

At the close of the year the degree of *Bachelor of Science in Pharmacy* was granted to 6 persons and the certificate of *Pharmaceutical Chemist* to 16.

The six who received degrees have already been taken in the employ of the large manufacturing concerns, their equipment being such as to fit them for work of this kind.

The sixteen who received certificates have also all secured excellent positions, and we have had requests more than we could possibly supply.

This condition would indicate that the work of the College of Pharmacy is being recognized and that our output is being sought.

No considerable additions have been made to the equipment during the past year, but we have been able to keep up with the increased demand for apparatus and material from the funds allotted to our use.

In making suggestions for any further equipment to this College, I have to say that the most desirable addition at the present time is a properly equipped dispensing room, where training in the art of dispensing can be conducted under conditions more nearly those actually existing in practise. It is to be hoped that provision may be made for this in the near future.

Very truly yours,

GEO. B. KAUFFMAN.



REPORT OF THE DEAN OF THE COLLEGE OF VETERINARY  
MEDICINE, JUNE, 1914.

DR. W. O. THOMPSON, *President of The Ohio State University.*

DEAR SIR:— I have the honor to report on the College of Veterinary Medicine for the year 1913-14, as follows:

## CHANGES IN THE FACULTY

No important changes were made in the personnel of the teaching staff of the College during the past year. The position of House Surgeon is changed each year by selecting from the graduating class a man who has shown an aptitude for clinical work and who is able to do the laboratory work in clinical diagnosis. Dr. Max Wershow ('13) served in this capacity during the past year. His service was so efficient that it was thought best to retain him in the department as an instructor. This opportunity was offered when Dr. Ernest Scott, who had been giving splendid service as part-time instructor in pathology, resigned to devote his whole time to the College of Medicine. Dr. Wershow will conduct the courses in pathological histology under the general direction of Professor Richardson during the next year. So that enough money would be available to pay Dr. Wershow a fair salary it was necessary to drop temporarily the technician and combine the two salaries paid the technician and Dr. Scott. The advantage of having a full-time man in pathological histology will be a decided one.

Since the resignation of Dr. McNeil, Professor O. V. Brumley has been promoted to Professor of Surgery and Obstetrics and made Director of the Clinics, thus placing the supervision of the clinics under one head. This has proven much more satisfactory than when divided, one instructor having charge of the clinics for large and the other for small animals. Under Professor Brumley's direction not only has a splendid system of keeping clinical data been evolved but the number and variety of the clinical cases have been greatly increased. (See appended Clinic Report).

## FACILITIES AND EQUIPMENT

Among the notable additions to the equipment of the College may be mentioned the Auzoux anatomical models imported from Europe. They will greatly facilitate the teaching of gross anatomy. The new, modern ambulance for large animals has proved a valuable piece of equipment. With it our ambulance service is made complete so that we are now in a position to render efficient service to animal owners who desire to send to our hospital patients with acute diseases or conditions which render them unable to walk. The new power elevator being installed in the rear of the clinic hall, to replace the old run-way which

was too dangerous to use, will make the transportation of large animals between the operating room and wards simpler and safer.

#### ENROLLMENT

The number of students candidates for the degree of doctor of veterinary medicine during the past year was 165, the largest enrollment of any of the ten state supported veterinary schools in the United States. Besides, 125 students from the College of Agriculture elected courses in the veterinary department, making the total number of students about 290.

#### COST OF MAINTENANCE

The cost of veterinary education to the state has been from time to time the subject of discussion among legislators and officials. In this connection the following table comparing Ohio's status in this regard with that of three other states, each supporting a veterinary school, may be of interest:

State and Institution.	Value of Plant.	Annual Cost of Maintenance.	Number of Veterinarians on teaching staff.	Number of Students.	Cost per Student per Annum.
OHIO.					
State University .....	\$150,000	\$32,000	8	*165	\$194 00
PENNSYLVANIA.					
University of Pennsylvania.....	450,000	60,000	20	118	508 00
NEW YORK.					
Cornell University .....	371,000	65,000	18	*110	599 00
IOWA.					
Iowa State College.....	200,000	41,000	13	*69	592 00

#### RESULTS OF STATE BOARD EXAMINATIONS

As in medicine, dentistry, pharmacy and law all persons who desire to practise veterinary medicine in Ohio must first pass an examination before a state board. In this state the examination is held under the auspices of the Agricultural Commission which appoints three disinterested veterinarians, each a graduate of a different school, to conduct the examination. At the last examination, held April 14, 1914, graduates of seven prominent veterinary colleges (including Ohio State University) and five non-graduates were examined with results as follows:

\* Includes only students candidates for veterinary degree.



<i>Colleges Attended</i>	<i>Total</i>	<i>Successful</i>	<i>Percent</i>
Ohio State .....	44	43	97.6
Cincinnati .....	33	20	66.6
Indiana .....	4	1	25.
Grand Rapids .....	5	0	0
Chicago .....	5	1	20.
Cornell .....	1	1	100.
Ontario (Canada) .....	5	1	20.
Non-graduates .....	5	1	20.
Total .....	106	68	64.1

These results are significant. In other states our alumni have been equally successful in passing state board examinations.

#### THE CLINICS

The clinics have been well patronized by the animal-owning people of Columbus and vicinity and not a few patients have been sent to the hospital from distant parts of the state. From September 15, 1913 to June 1, 1914 (8½ months), 2,857 different animals representing 3,293 disease conditions were treated at the hospital.

Beginning with the past year an ambulatory or out-patient clinic was established under the direction of Dr. J. N. Shoemaker. Unfortunately, however, as yet no means of transportation has been provided. This is a serious handicap. Obviously, only calls from near traction or steam railway lines can be answered. It is hoped that some vehicle, preferably an automobile, will soon be made available so that this important phase of clinical instruction can be developed and made of greater service to the student body. An out-patient clinic reaches just the kind of cases (acute internal diseases, obstetrical cases etc.) the veterinarian has most to do with in routine practise.

The Summer Clinics were inaugurated June 10, 1914. They will undoubtedly be well patronized. Already several students have signified their intention of remaining at the University during the summer to take part in these daily clinical exercises. Through these clinics the number of cases will be increased and the public kept in the habit of bringing patients to the hospital without interruption as heretofore.

A detailed report to show the number and variety of cases treated during the past academic year is appended.

Respectfully submitted,

DAVID S. WHITE,

Dean.

CLINIC REPORT  
MEDICAL DISEASES.

	Horse	Cow	Dog	Cat	Pig	Chickens	Sheep	Parrot	Rabbit	Ferret	Monkey	
A. Diseases of the Digestive System —												
Taenia canina .....			3									3
Colic, engorgement .....	1											1
Gastro-intestinal catarrh.....	26	2	9	4								41
Ptyalism .....			1									1
Indigestion, acute .....	16	1	2			4						23
Oxyuris curvula .....	1											1
Coccidiosis .....			1									1
Diarrhoea .....			4		1	1						6
Enteritis .....			1	4	1	1						7
Rupture of stomach.....	1											1
Ascarus lumbricoides.....					1							1
Ascarus megaloccephalus.....	1											1
Icterus .....			1		1							2
Ascarus mystax .....			10	1								11
Hepatitis .....			1									1
Constipation .....			10	1		1						12
Rupture of liver.....			1									1
Total .....												114
B. Diseases of Respiratory Tract —												
Emphysema .....	3											3
Distemper .....	2		59	3								64
Influenza .....	10											10
Bronchitis .....	3		13	1		4						21
Traumatic pneumonia .....			1		1							1
Rhinitis .....	2											2
Congestion of lungs.....	1				1							1
Pneumonia .....	1	1										2
Laryngitis .....	6		2			1						9
Trachitis .....	1											1
Vaccination .....			30									30
Total .....												144
C. Diseases of the Organs of Locomotion —												
Muscular rheumatism .....	1		1		1							3
Azoturia .....	2											2
Total .....												5
D. Diseases of the Eye —												
Keratitis .....	11		2						1			14
Conjunctivitis .....	7		7	1								15
Periodic ophthalmia .....	4											4
Prolapsus .....			1						1			2
Corneal ulcer .....			4									4
Tumor .....			1									1
Choriditis .....	1											1
Hypopyon .....	1											1
Cataract .....	2											2
Total .....												44
E. Diseases of the Skin —												
Ring worm .....			5									5
Verrucose dermatitis .....	1											1
Filaria multipapillosa .....	1											1
Sarcopic mange .....				4								4
Eczema .....	5		5									10
Eczematous dermatitis.....	4									1		5
Trichodectis pilosus .....	4											4
Acute dermatitis .....			3									3
Bath .....			2	1								3
Favus .....						4						4
Demodex folliculorum.....			19									19
Total .....												58



## MEDICAL DISEASES—Concluded

## MEDICAL DISEASES — Concluded.

[illegible]

## SURGICAL DISEASES

[illegible]

## SURGICAL DISEASES—Continued

[illegible]



## SURGICAL DISEASES—Continued

	Horse	Cow	Dog	Cat	Pig	Chickens	Sheep	Parrot	Rabbit	Ferret	Monkey	
M. Region of Abdomen —												
Sarcoma .....			2									2
Ascites .....	1		1									1
Hydrocele .....	2											1
Fistula .....	1											2
Inguinal hernia .....	1											1
Edema .....	1											1
Peritonitis .....			1									1
Cystocele .....			1									2
Sebaceous cyst .....			1									2
Umbilical hernia .....			1									5
Abscess .....			12	1								3
Scrotal hernia .....	1				3							4
Ventral hernia .....	5				1							6
Total .....												31
N. Male Generative Organs and Urinary System —												
Castration .....	17	8	7	32	6	4						74
Cryptorchid .....	5				4							9
Papilloma of penis .....			1									1
Nephritis .....	1		2	1								4
Cystitis .....			1									1
Preputial catarrh .....	3											3
Abscess .....	12				1							13
Schirrous cord .....												1
Paralysis of penis .....	4				1							1
Stricture of urethra .....	4											4
Epithelioma .....	1											4
Eustrongylus gigas .....			1									1
Total .....												115
O. Perineal Region —												
Prolapsus rectum .....					2							2
Melano-sarcoma .....	1											1
Fibroma .....						1						1
Hemorrhoids .....			1									1
Proctitis .....			1	2		2						5
Total .....												10
P. Female Generative Organs and Urinary System —												
Cystic calculi .....	1											1
Dystokia .....			1	1								2
Retained placenta .....		2			1							3
Mastitis .....		1										1
Stricture of teat .....		3										3
Oestrus .....	1		3	1								5
Ovariectomy .....		2	96	27								125
Nymphomania .....	1											1
Ovarian cyst .....		1										1
Metritis .....			1									1
Egg bound .....						2						2
Total .....												145
Q. Diseases of the Fore Limb —												
1. Shoulders and withers —												
Fistulous withers .....	17											17
Skin wound .....	1		2									3
Abscess (shoulder) .....	9	1										10
Hematoma of withers .....	1											1
Shoulder lameness .....			1			1						2
Intertubercular bursitis .....	1											1
Omarthritis .....	3											3
Collar boil .....	3											3
Phlegmon of shoulder .....	1											1
Fibroma .....	1											1
Small round cell sarcoma .....	1											1
Luxation .....			1									1
Wounds .....			1									1





## SURGICAL DISEASES—Concluded

	Horse	Cow	Dog	Cat	Pig	Chickens	Sheep	Parrot	Rabbit	Ferret	Monkey	
S. Diseases of the Hoof—												
Navicular arthritis .....	17											17
Thrush .....	4											4
Quittor .....	14											14
Nail prick .....	8		1									9
Contusion over lateral cartilage .....	2											2
Penetrating street nail .....	3											3
Suppurating corn .....	3											3
Chronic laminitis .....	1											1
Calk wound .....	4											4
Chronic pododermatitis .....	4											4
Acute pododermatitis .....	1											1
Sidebones .....	2											2
Quarter crack .....	2											2
Contracted heels .....	2											2
Keratoma .....	2											2
Split claw .....	2											2
Supernumerary toe .....	1		1									1
Total .....												73
T. Region of Tail—												
Caudal amputation .....	2		64									64
Melano-sarcoma .....	3											3
Epitheloma .....	1											1
Tail trim .....			64									64
Wound of tail .....			1									1
Total .....												135
V. Tuberculin test .....		105										105
Total .....												105
W. Examination for soundness ..	34		13	1	2							50
Total .....												50
X. To be destroyed .....	1		13	20			2					36
Total .....												36
Z. Experimental Animals—												
Tuberculin test .....		3										3
Ectocardia .....		1										1
Total .....												4
Miscellaneous—												
Influenza immunization .....	8											8
Boorders .....	4		10	2								16
Arsenical poisoning .....			2									2
Strychnine poisoning .....			2									2
Ptomaine poisoning .....			3	1		1						5
Hair clip .....			1									1
Pseudo-coprostasis .....			1			1						1
Total .....												35

Total number of animals treated..... 2,857  
 Total number of conditions in all animals..... 3,293  
 Total number of medical diseases..... 1,641  
 Total number of surgical diseases..... 1,652

## REPORT OF THE DEAN OF WOMEN

DR. W. O. THOMPSON, *President, The Ohio State University.*

DEAR SIR:—As we look forward to the new academic year of 1914-1915, the housing of the women students becomes increasingly important. May I present the following facts for your consideration, praying for the determination of a policy which may be consistently applied to the situation.

The number of women students attending the Winter session.....	881
The number of city girls.....	437 = 49.6%
Those living at home using traction.....	36
With friends .....	20
Working in homes for room and board.....	17
	<hr/> 510 = 57.8%
Out of town girls dependent on the housing system.....	371
Oxley Hall houses.....	63
The Annex .....	10
St. Hilda's Hall.....	15
Alpha Phi .....	9
Newman House .....	10
	<hr/> 107 = 12.2%
Number scattered in houses in groups above 3.....	126 in 21 houses
Number scattered in houses in groups under 3.....	138 in 99 houses
	<hr/> 30% = 264 in 120 houses

Two hundred women students skirmish for meals.

Oxley Hall expects to have nine vacancies next year, ninety applicants are already lined up for these.

The present system of lodging houses is—

1. A menace to the women students themselves.

(a) The boarding and lodging houses are managed for gain and are responsible to nobody.

(b) Their condition is unsanitary, crowded, ill-ventilated, inadequately heated. Great difficulty is experienced in making a sanitary inspection.

(c) Two hundred women skirmish in neighboring restaurants and cafeterias for their food. The lack of proper food and irregular meals at irregular hours is breaking down many of our students.

(d) The women are living in isolation, one or two off in pockets; or if unfortunate in their choice, they are experiencing an actual loss in refinement. I may say that the prices are so low that few homes of refinement in the neighborhood are open to women.

2. It is also a menace to the University itself.

(a) It is a question whether the University has a right to bring the women here unless we can insure living quarters, healthful, socially desirable, and morally safe.



(b) We are turning from our doors, women who would be a credit to us. Many parents write they would be glad to send their daughters if they can live in Oxley Hall. There is probably no member of the Board of Trustees who would send his daughter to live in lodgings and skirmish for meals.

(c) The proportion of women students to the whole student body is decreasing. In 1910 it reached the climax, 28.8%.

1910 .....	28.8%
1911 .....	28.6%
1912 .....	28.1%
1913 .....	28.0%

This is probably due to lack of housing facilities.

(d) The taste, poise, and sympathy evinced at Oxley Hall have a profound influence upon the refinement and character of the students and make effective the ideals that govern the life of the best individual homes. The tone of our University should be such as to *demand respect* from the neighboring schools.

(e) We are not meeting the needs of the Ohio women students outside of the city of Columbus.

The solution of this problem lies either in taking some large house like an apartment house and leasing it for a term of years or in establishing a chain of houses in the neighborhood, housing from fifteen to twenty girls each and opening a large dining room as a center for the women lodging in that particular neighborhood. Or it lies in repairing the house now occupied by Dean Denney thus creating the proper Annex for Oxley Hall and determining upon some policy as to the building of college dormitories. Oxley Hall has a profit of \$8,000.00 in the treasury, which allows for the proposed repairs with a probable doubling of the rent and a good interest on the money invested.

Appealing again in the name of our eight hundred and eighty-one women students and in the name of those who wish to come and are turned away because of our inadequate housing facilities, I leave our problem in your hands.

Most respectfully submitted,

CAROLINE M. BREYFOGLE,  
*Dean of Women.*

## REPORT OF DEPARTMENT OF AGRICULTURAL EXTENSION

COLUMBUS, June 23, 1914.

DR. W. O. THOMPSON, *President, The Ohio State University.*

DEAR SIR:—In making my report on the work done by the Agricultural Extension Department for the fiscal year beginning July 1, 1913, and closing July 1, 1914, I desire to call particular attention to the fact that our appropriation (\$35,000.00) has been the smallest since 1909, when the law providing for Extension work in agriculture and home economics carried with it an appropriation of twenty thousand dollars. No new lines of work have been attempted during the year: attention has been given to developing the different features of the work already in hand. As a matter of information, every form of Extension work now being done was taken up on a small scale between July 1, 1905, when Agricultural Extension work in Ohio was begun, and July 1, 1909, when the first special appropriation was made.

## AGRICULTURAL EXTENSION SCHOOLS

Seasonal and financial limitations have kept the number of Agricultural Extension Schools constant for about three years. During the past year, the number of instructors in agricultural subjects has been reduced from three to two in each school, and the result has been very satisfactory. There have been two instructors in the women's department of each school. The average attendance has been practically constant through five years. No spectacular features have been introduced to attract the idly curious or to entertain a crowd. The leading farmers of the communities have supported and attended these schools.

## DEMONSTRATIONS

The spraying and pruning demonstrations conducted by the department have been confined to 15 southwestern counties. A shortage in the number of demonstrators has limited the number of meetings which could be held and the territory covered. The shortage of fruit made it impossible to conduct fruit packing demonstrations this year.

During the spring thirty-six plants for planting home, school, and church grounds have been prepared.

Arrangements have been made for stock judging exercises at 17 county fairs. Since the close of the Extension Schools, the services of one instructor have been in demand to coach boys who are expecting to enter the judging exercises at fairs this fall.

Increased attention has been given in both fall and spring meetings to demonstrations in the mixing and application of fertilizers. The attendance at these meetings has not been large and the instructor has



been able to give personal attention to the individual problems of those present. Open air meetings are conducive to the asking of questions.

One instructor has given the greater part of his time during the year to discussing corn, the care of milk, and poultry, before the teachers and pupils of the public schools. Discussion of the first two subjects have been based on materials and apparatus brought before those instructed. There is a constant increase in the demand for well-qualified instructors and demonstrators for public school work.

Before and after the Extension School season, the time of the home economics instructors was given to purely demonstration features before women's clubs and public schools. Bread-baking, the cooking of meats, and home decoration were dwelt upon more particularly than other subjects, especially in the sixty public school meetings held.

#### NEWSPAPER SERVICE

It has been the aim of the department to furnish information concerning both the approved agricultural practices and social life in the country, and news concerning the University and the Agricultural College in particular.

Manuscripts and photographs have been furnished the American Press Association and the Western Newspaper Union every three weeks—238 columns of material for the year. All of the main articles sent out by the associations have been signed with the name of the writer and "College of Agriculture, Ohio State University" so that the institution might have the benefit of the advertising.

A multigraphed news-letter has been mailed every two weeks to 750 newspapers in the state. Many papers have published the entire letter; some have used parts of the material as editorials; others have clipped what was of particular news interest to their subscribers.

#### PUBLICATIONS

The Agricultural College Extension Bulletin, which was first published in October, 1905, for the use of children, teachers, and others interested in an elementary discussion of agricultural and nature study subjects, through its main articles, its poetry, songs, and illustrations, has gained a permanent place in the hearts of the agricultural readers of the state. The ten issues of the past year have discussed many of the subjects in a more serious style than was attempted in the early issues. Only four of a contemplated six Farmers' Reading Course Bulletins have been issued on account of the inability of the members of the Dairy Department to furnish material.

#### SPECIAL WEEKS

Instruction taken to the home or community of the learner will never push back the intellectual or spiritual horizon so far as will in-

struction received in the parent or central institution, because the conservatism or inertia of a community asserts itself over the individual. In an institution there is an atmosphere of its own creation into which the individual thrusts himself and because of which he develops new ideals and is fired with a desire to become more independently active. A one week's program for farmers and their wives was carried out at the University, February 2-5, 1914, with an attendance of nearly one thousand. During this week subjects on general farming and home economics were given a larger place than were those dealing with life in the country. Arrangements have been made for a Country Life Week, August 10-14, 1914, during which period more attention will be given to the socializing agents of the country.

## STATISTICS

Agricultural Extension Schools (including courses for men and courses for women) .....	43
Attendance at these schools.....	5,304
Average attendance per school.....	123
Spraying and Pruning Demonstrations (one man—in 15 southwestern counties) .....	46
Attendance .....	1,535
Average attendance per meeting.....	33
Fertilizer Meetings .....	64
Attendance .....	5,435
Average attendance per meeting.....	85
Farmers' Fall Festivals (2 days each).....	16
Attendance .....	2,242
Average attendance per festival.....	140
Fair Exhibits .....	7
Boys' Stock Judging Contests at County Fairs.....	10
Average number of boys entered each contest.....	25
Number of days spent this spring in coaching boys who expect to enter stock judging contests at fairs this fall.....	50
Number of counties in which coaching work was done.....	7
Field Crop Tests.....	24
Corn Varieties .....	8
Fertilizers .....	16
Number of counties in which tests are being conducted.....	16
Meetings at High Schools (H. E. Eswine)	
Number of schools at which one or more talks were given.....	70
Number of talks given during the day.....	135
Attendance .....	4,370
Number of night meetings held.....	35
Attendance at night meetings.....	4,165
Farms visited by three instructors.....	133



Lectures at State Fair.....	12
Women's Club Meetings.....	14
4-day meetings.....	1
3-day meetings.....	5
2-day meetings.....	6
1-day meetings.....	2
Total number of days' work.....	33
Home Economics Work in Public Schools	
4-day meetings.....	1
3-day meetings.....	2
1-day meetings.....	57
Total number of days' work.....	67
Bread baking contests judged and talks given.....	5
Miscellaneous Home Economics meetings.....	4
Farmers' Week—5 days	
Attendance of men.....	590
Attendance of women.....	180
Total attendance shown by registration cards.....	770
Number of counties represented.....	77
Poultry exhibit at State Poultry Show for 1 week	
Poultry exhibit at Preble County Poultry Show for 1 week	
Services of three instructors in State University Summer School— July 1 to August 8, 1913	
Plans submitted for the planting of home, church, and school grounds....	36
Identifications of plants, insects, etc.....	164
Miscellaneous Lectures	
Chautauquas .....	2
Commencements .....	8
Community Meetings .....	52
Corn Meetings .....	7
Talks on Centralization of Schools.....	11
Colt Shows and Miscellaneous Contests judged.....	4
Picnics .....	11
Miscellaneous School Meetings.....	11
School Exhibits Judged.....	7
Summer Schools Addressed.....	6
Farmers' Institutes .....	4
Alfalfa Meetings .....	4
Y. M. C. A. Meetings.....	17
Ministers' Associations addressed.....	2
Horticultural Meetings .....	2
Federation of Women's Clubs.....	1
Talks at County Fairs.....	3
School Exhibit at Lucas County Fair judged.....	1
Instruction at Teachers' Institutes	
Number places .....	7
Number of days' work.....	19

## Publications

Agricultural College Extension Bulletin, 10 issues. Average number copies per issue.....	29,000
Farmers' Reading Course Bulletin, 4 issues. Average number of copies per issue.....	4,000
Plate Service	
Number of pages furnished to American Press Association.....	17
Number of pages furnished to Western Newspaper Union.....	17
Total number of pages.....	34
Special Arbor Day page.....	1
News letter sent every two weeks to 750 newspapers. Number pre- pared .....	25

A. B. GRAHAM,  
*Supt. Agr. Extension.*



## REPORT OF THE DEPARTMENT OF PHYSICAL EDUCATION

(MEN)

DR. W. O. THOMPSON, *President, Ohio State University.*

DEAR SIR:—I have the honor to submit the following report for the Academic year, 1913-14:

Total number of individual men enrolled in the Department this college year.....	1,135
Total number enrolled, First Semester.....	1,067
Total number enrolled, Second Semester.....	819

By statistics of this Department, nearly ninety per cent. of the male students taking the required course are first year men.

Only about sixteen per cent. of this number are residents of Columbus; the balance are "strangers in our city", and, owing to personal exigencies, live in boarding-houses, boarding-clubs, and some few in private houses.

In the great majority of cases the home environment is entirely lacking. The student is placed upon his own resources and responsibility, with little or no restriction or advice as to his personal habits.

Ninety-four per cent. of this year's freshmen class (men) had no training in personal hygiene, or "health habits", before entering the University.

To reach these men is the aim of this Department.

I. To provide such instruction, supervision, and experience in the fundamental laws of health and personal hygiene as will acquaint the student with his health possibilities and enable him to intelligently formulate his own policy of personal health control and protect and help his associates.

II. To provide instructions in the various motor activities (outdoors as well as in) that are known to develop organic vigor, co-ordination, bodily skill, endurance, and many valuable traits of character. The value of daily rational exercises as a "health habit" is instilled into the student in this section of the work.

III. To provide necessary medical advice, and emergency treatment to students of this Department while they are on the University campus during regular school hours.

"In a word"—Health and Efficiency.

## DEPARTMENT RECORDS. (MEN)

FIRST SEMESTER.		SECOND SEMESTER.	
Total number of students.....	1,067	Total number of students.....	819
Merited .....	7%	Passed .....	76%
Passed .....	31%	Failed .....	10%
Failed .....	5%	Conditioned .....	4%
Conditioned .....	3%	Deferred, on account of sickness	
Deferred, on account of sickness	4%	and swimming .....	10%

## NUMBER OF CLASSES HELD IN THE DEPARTMENT FOR MEN, EACH WEEK

Number of required classes in Physical Exercise..... 38

NOTE: During the fall and spring, weather permitting, all class exercises are held out-doors.

Number of classes in advanced exercises (optional)..... 7

Number of classes in swimming. Total, each week..... 24

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59

## SPECIAL CLASSES THIS YEAR.

For the first time, this year, two regular periods were scheduled at 5 P. M., in corrective individual exercise for men, who were physically unfit to take the exercise given in the regular scheduled classes.

## CLASSES IN SOCIAL DANCING

During the early part of the first semester, and the latter part of the second semester, free private class instruction was given to the members of the freshmen class in the new social dances. Special attention was paid to the men who could not dance. At the close of the year, a reception and dance was given to the out-going freshmen class.

A number of private classes were held for members of the Faculty the early part of the second semester and were well attended.

## PHYSICAL EXAMINATIONS

Total number of required examinations made of freshmen. 915.

GENERAL POSTURE		MUSCULAR DEVELOPMENT	
Good .....	27%	Good .....	31%
Fair .....	62%	Fair .....	53%
Poor .....	11%	Poor .....	16%

## HEART AND LUNGS.

An unusually large number (15%) of cases of functional and organic heart trouble was found; but a very small percentage of this number was serious enough to be excused entirely or had to be given special work during the entire school year. Seventeen per cent (17%) had some weakness of lungs, or inherited tendency toward lung trouble.

## EYES.

Twenty per cent. (20%) wore glasses and sixteen per cent. (16%) more were found who needed them; nearly all of these are now wear-



ing properly adjusted glasses that add greatly to their health and efficiency.

#### NOSE AND THROAT.

The usual amount of nose and throat disease was found. Catarrhal conditions of the nose and throat are very prevalent in this state.

#### TEETH.

The teeth of thirty-one per cent (31%) of the students examined needed attention. In every case, the immediate care of the teeth was urged.

The SECOND EXAMINATION of the students and measurements taken at the end of the second semester, shows that:

83% gained in weight.

86% gained in chest expansion. (ninth rib)

65% gained in lung capacity, and that 86% were benefited in some physical or mental way.

#### PERSONAL HYGIENE

A very definite and persistent effort is made to correlate the lectures with the facts brought out in the physical examinations and the questionnaire answered by the students early in the year.

Each student in the Department is required to attend one lecture a week in this subject; during the first semester seven different sections are held each week, and a total of 91 lectures given. Students are required to keep note books for their lectures. Recitations are held and those not making a creditable showing during the semester are given a final written test.

The course covers the cause, prevention and hygienic treatment of the most preventable diseases, conditions, and habits, which lower the vitality, and interfere with the health and efficiency of the student.

#### A LARGER AND BETTER SWIMMING POOL NEEDED

Ability to swim is one of the requirements of the Department. Swimming is one of the most healthful and beneficial exercises known; but the poorest part of our equipment is provided for this exercise. The inadequacy of a swimming pool 20 x 30 feet, to accommodate a student body of 2,500 men, is apparent. To keep this pool in a hygienic condition is one of the hardest problems of the Department. The pool is emptied and flushed daily, and thoroughly scrubbed three times a week. During the warm months, the water is necessarily kept flowing in and out of the pool all the time. This is rather expensive, but the only way to maintain a sanitary condition.

Number taught to swim this year.....	207
Number conditioned .....	22
Number deferred .....	59

When our limited facilities are considered it is remarkable that 207 men were taught to swim this year.

## THE STUDENT'S HEALTH

## EMERGENCY SECTION

Advice and medicine are furnished free; but this Department attempts no treatment of any sort except that which is obviously purely protective emergency treatment.

## DISEASES TREATED DURING COLLEGE YEAR, 1913-1914

## INFECTIOUS DISEASES

Typhoid fever .....	1	
Septicemia .....	2	
Diphtheria .....	2	
Bronchial pneumonia .....	1	
Influenza .....	64	
Tuberculosis .....	2	
Malaria .....	2	
Varicella .....	2	
Measles .....	7	
Acute tonsillitis .....	73	
Rheumatic fever .....	5	
Mumps .....	24	
Adenitis .....	6	
Food poisoning .....	3	
Gonococcus, infection .....	12	
Syphilis .....	1	207

## DISEASES OF THE DIGESTIVE TRACT

Acute gastritis .....	48	
Gastralgia .....	8	
Appendicitis .....	1	
Intestinal indigestion .....	12	
Chronic constipation .....	11	80

## DISEASES OF THE LIVER

Jaundice .....	2	
Disorders of the liver .....	33	35

## DISEASES OF THE RESPIRATORY TRACT

Epataxis .....	7	
Coryza .....	84	
Chronic nasal catarrh .....	17	
Acute pharyngitis .....	61	
Acute bronchitis .....	76	
Bronchial asthma .....	2	
Acute pleurisy .....	9	256

## DISEASES OF THE KIDNEYS

Renal Calculus .....	1	
Floating Kidney .....	1	

## DISEASES OF THE BLOOD

Anemia .....	7	
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## DISEASES OF THE DUCTLESS GLANDS

Thyroiditis .....	1	
Goitre .....	3	13



## DISEASES OF THE NERVOUS SYSTEM

Hysteria .....	1	
Epilepsy .....	1	
Neurasthenia .....	2	
Neuralgia .....	16	
Neuritis .....	1	
Lumbago .....	12	
Migrains .....	18	
Tortocollis .....	1	52

## DISEASES OF THE EYE

Foreign particles removed from the eye.....	28	
Conjunctivitis .....	31	
Eye strain .....	26	
Other eye diseases.....	14	99

## DISEASES OF THE EAR

Acute otitis media.....	8	
Furunculosis .....	3	
Other diseases of the ear.....	5	16

## DISEASES OF THE HEART..... 10

## DISEASES OF THE SKIN

Urticaria .....	6	
Eczema .....	33	
Herpes Zoster .....	3	
Acne .....	12	
Furunculus .....	49	
Carbunculus .....	2	
Tinea circinati .....	25	
Tinea sycosis .....	7	
Other skin diseases.....	11	148

## MENTAL DISEASES

Paranoia .....	1	
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## GENITO-URINARY DISEASES

Orchitis .....	5	
Cystitis .....	6	
Varicocele .....	1	
Hydrocele .....	1	14

## GENERAL DEBILITY ..... 19

## FRACTURES

Nose .....	2	
Rib .....	1	
Wrist .....	1	
Leg .....	1	5

## DISLOCATIONS

Rib .....	1	
Knee .....	3	
Shoulder .....	3	
Thumb .....	2	
Elbow .....	1	
Wrist .....	1	11

## CONTUSED, INCISED AND LACERATED WOUNDS..... 117

## SPRAINS AND BRUISES..... 66

## ABSCESSSES, ULCERS AND FELONS..... 21

CONCUSSIONS OF THE BRAIN.....	4	
HERNIA .....	4	
BURNS .....	35	64
VACCINATION AND AFTER TREATMENT.....		235
		<hr/>
Total number of cases treated this year.....		1,447
Total number of cases treated last year.....		821
		<hr/>
Increase this year.....		626

This does not necessarily mean that there has been more sickness, or any more accidents among the students, this year than previous years; but it does mean that the Emergency Section is being used by a larger number of upperclassmen each year.

Total number of individual men treated.....	849
Of this number, 597 were first-year students, and 252 upper classmen, thus, nearly one-third of all men treated were other than Freshmen.	
Total number of men treated for more than one disease or accident..	183
Total number of men given emergency treatment and sent to other physicians .....	316
(This does not include those sent to oculists for correction of vision.)	

The following table gives the number of treatments each month:

September .....	68
October .....	163
November .....	159
December .....	111
January .....	186
February .....	300
March .....	232
April .....	78
May .....	150
<hr/>	
Total .....	1,447

This is the season of social dissipation, the months of changing weather, the "indoor months," often spent by the students under most unfavorable housing conditions. Unfortunately, during these months the indoor athletic and basket ball season is at its height. The main floor of the Gymnasium is of necessity used for Varsity games and contests, social dances, etc., with audience often packed in from floor to roof. At these times all kinds of dirt and infection are carried into the gymnasium, and we have neither time nor sufficient help to properly clean and renovate this room after these affairs, without most seriously interfering with our required class-work. Hence, the main floor of the gymnasium has, after these gatherings, often been anything but the hygienic place it should be. Therefore, a request is made for all-



night janitor-service, (in another section of this report), in order to remedy as far as possible this danger to our students.

The accidents treated this year such as burns, incised, contused, and lacerated wounds, sprains fractures, bruises, etc., number about 18% of the total treatment; these are unavoidable. But, the contagious and infectious diseases (involving principally the respiratory tract) number 33% of the total, and are more or less preventable.

#### CO-OPERATION WITH THE DEPARTMENT OF ATHLETICS

During the indoor season (from December to April) the use of the main floor of the gymnasium was turned over to the Department of Competitive and Recreative Athletics, for athletic and basket-ball during every available hour; in fact they had exclusive use of the main floor one-third more hours each week than the men had for their required class-work.

Three sets of basket ball baskets were purchased by the Department, erected, and courts marked out on the main floor so as to assist the Department of Athletics in conducting their basket ball league games.

All candidates for Varsity teams that were sent to Head of this Department, for medical examination, were examined promptly, and the majority of these examinations were made after college hours in order to accommodate the management and get the candidate eligible before certain games. On numerous occasions, students were excused from class to attend rallies, important conferences, and to take part in games.

Respectfully submitted,

H. SHINDLE WINGERT,  
Head of Department.

#### PHYSICAL EDUCATION.

##### REPORT FROM THE WOMEN'S SECTION. 1913-14

From Registration day until October 1, the work of the department consisted of assignment of lockers, enrollment of classes, beginning the teaching of swimming, by Miss Sauer and Miss Courtney and the making of physical examinations by myself.

Gymnasium class work was begun October 1, the first and second year classes, coming at 9, 10 and 11 o'clock, being placed under Miss Sauer's direction, and taught by her with the assistance of Miss Courtney. The third and fourth year classes were given class work at 1 o'clock three days, and from 6 to 7:30, two days a week by myself, assisted by Miss Courtney one of the 6 o'clock periods. Recreation was encouraged in the form especially, of basket ball, and occasional 4 o'clock periods were secured in the lower gymnasium for practice under Miss Sauer's direction, and evening periods following junior and senior class work, under direction of Miss Courtney, myself and student assistants.

Lectures on Hygiene were begun October 1 at 8 and 4 o'clock, Tuesdays and Thursdays, and continued through November, (twice a week, for  $\frac{1}{2}$  semester.) The course in History and Principles of Physical Training for Women was conducted on Tuesdays and Thursdays at 1 o'clock, for advanced students. Physical examinations were continued at other hours, and consultation hours kept for students daily. Some, having physical defects were given corrective exercises in the office. Data gained from the physical examinations corresponds to that reported other years; that gained from consultations has been recorded on a new card this year, and a synopsis will be found on a separate sheet.

With the beginning of the second semester the course in Emergencies and First Aid, Domestic Hygiene and Home Nursing, was begun as in previous years, under the course in Sanitation, in the department of Home Economics, and continued three hours a week until April 15. The course in History and Principles of the first semester's advanced Physical Education course, was continued under the subject of Kinesiology. All other department work was continued as during the first semester.

The annual open lesson was given without difficulty, on March 31, where for the first time four years of progressive work were illustrated, junior and senior students who had elected advanced work, taking part in the program.

On returning from the spring vacation, Hygiene lectures were again given; while out of doors sports under the direction of Miss Courtney, and swimming and tennis were substituted for indoor gymnastics as far as possible. Physical measurements were again taken, and the physical examinations were repeated with those who showed defective conditions of health, or other conditions which might have changed during the year.

Alice L. Goetz.

#### MEDICAL TREATMENTS

A record of the treatments given to students, including Office treatments, Prescriptions given to be filled at Drug Stores, Medical Advice and trips made with students to oculist, nose and throat specialists, etc., gives the following data:

	<i>No. of Cases.</i>
Abscesses (opened and dressed) .....	2
Anaemia (prescriptions) .....	3
Backache, cases serious enough to warrant treatment (Prescriptions and hygiene) .....	7
Biliousness, cases serious enough to warrant treatment (Prescriptions and hygiene) .....	10
Boils (opened and dressed) .....	3
Burns (most from Chem. Lab.) .....	9
"Cold" (meaning acute Coryza) (Prescriptions and Hygiene).....	23
Constipation .....	21



"Corns" treated .....	6
Acute Bronchitis, treated.....	12
Dislocations (fingers—1, patella—7) reduced.....	8
Exophthalmic goiter (Referred to Dr. Crotti).....	3
"Fainting" .....	3
Hernia .....	1
Hysteria (Prescriptions and Mental Treatment).....	9
Indigestion (Prescriptions) .....	13
Influenza .....	17
Injuries:	
Fractured rib (1 case, strapped), kept under observation three weeks.	
Cuts on hands, from broken glass in laboratories (broken glass removed, and injuries treated, 12 cases)	
Foreign-bodies in eye, 7 cases (removed)	
Severe bruises, treated, 2 cases.	
Injuries to knees, from falls (usually on slippery floor in swimming pool room) 15 cases .....	37
Laryngitis .....	14
Measles (diagnosed and sent home) .....	3
Menstrual disorders .....	44
Neurasthenia (many of these treated all year).....	9
Nervousness (usually in connection with other troubles).....	38
Mumps (diagnosed and sent home).....	3
Organic Heart Lesions .....	3
"Pain"—Neck 1 case, appendix 7 cases, cystitis 2, cramps in thighs 2, lumbago 4, and ovarian pain 3 cases.....	19
Pleurisy (Strapped and treated) .....	2
Post-operative complications .....	1
Relaxed arches .....	11
Rheumatism .....	14
Referred to physicians .....	20
Skin eruptions —	
Contagious, 5 cases; Non-contagious, 9 cases .....	14
Sprains .....	11
Special Physical Examinations.....	15
(those whose hearts needed watching, tubercular suspects, etc.)	
Tonsillitis .....	18
Vaccinations .....	48
Consultations (those who did not need medical treatment)	
With regard to family troubles, 4 cases	
With regard to effect of schedule, or certain studies of health or nervous condition etc., 22 cases. In some of these consultation with Professors, or Professor Hockett, or Professor Ramsower, resulted in satisfactory adjustment.	
With regard to mental states, feelings, troubles of a personal nature, etc.	48

Many consultations have not been recorded; usually for lack of time, as usually a waiting line, does not give me time, to put down all that might be of interest. Those excused from class for transient ailments, were in every case personally interviewed by me before the excuse could be granted; they numbered, 403 the first semester, and 285 the second semester. Every one of these interviews included a statement by

the student of her trouble, inquiry as to what she was doing for herself, suggestions as to the best outline of procedure, and insistence, when necessary on her carrying out needed lines of treatment or care of herself. Students were constantly sent for and interviewed with regard to their health, and observance of hygienic measures.

Many were encouraged to make free use of the baths in this department, where inquiry showed that plenty of hot water was not available at rooming houses; and there have been many regular attendants all year; most of them coming during the evenings when the department has been kept open for this and other uses.

Several were given special outlines of corrective exercises, and these also were practiced in the early evening hours, as this was the only time when they had sufficient leisure to do the work.

ALICE L. GOETZ.



FINANCIAL REPORT  
OF THE  
**OHIO STATE UNIVERSITY**  
For the Year Ending June 30, 1914

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SCHEDULES A TO M

(77)





OFFICERS OF THE BOARD OF TRUSTEES, THE OHIO STATE UNIVERSITY

COLUMBUS, OHIO, October 1, 1914.

*Honorable* JAMES M. COX, *Governor of the State of Ohio*:

SIR:—I have the honor to transmit herewith the forty-fourth annual report of the Board of Trustees of The Ohio State University.

The report, as usual, contains such statements and exhibits as are necessary to show the financial transactions of the past year, and the manner in detail of receiving and disbursing the various funds; also such other information as may be of general interest or required by law.

The Annual Report of the President of the University to the Board of Trustees is made a part of this report.

All of which is respectfully submitted.

CARL E. STEEB,  
*Secretary.*

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- SCHEDULE B-1. Income.
- SCHEDULE B-2. Details of Income from students.
- SCHEDULE C-1. Classified Expenditures.
- SCHEDULE C-2. Expenditures by Departments or Divisions.
- SCHEDULE C-3. Details of Expenses.
- SCHEDULE C-4. Details of Expenditures Which Increase the Assets of the University.
- SCHEDULE C-5. Details of Salaries—Instruction.
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- SCHEDULE E. Cash Receipts and Disbursements—Cash Balance.
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- SCHEDULE L. State Aid—Special Appropriations.
- SCHEDULE M. Oxley Hall—Receipts and Disbursements—Supplemental.



## CONSOLIDATED STATEMENT

## INCOME AND EXPENDITURES.

*Schedule A*

Cash balance July 1, 1913.....	\$ 9,166.14
Total income for year, <i>Schedule B-1</i> .....	\$ 1,300,553 81
Total expenditure for year, <i>Schedule C-1</i> .....	1,270,228 39
Net surplus for year .....	<u>30,325 42</u>
Cash balance June 30, 1914.....	\$ 39,491 56

## ASSETS AND LIABILITIES.

Current assets at end of year, <i>Schedule D</i> .....	\$ 484,084 63	
Current liabilities at end of year, <i>Schedule D</i> .....		\$ 383,874 36
Investment assets at end of year, <i>Schedule D</i> .....	985,070 40	
Investment liabilities at end of year, <i>Schedule D</i> .....		985,070 40
Educational Plant—		
Value of lands, buildings and equipment,		
<i>Schedule D</i> .....	5,071,365 01	
Net investment or capital account....		<u>5,171,575 28</u>
	<u>\$6,540,520 04</u>	<u>\$6,540,520 04</u>

## INCOME

Description	Items	Totals
<b>INCOME FROM STUDENTS:</b>		
Tuition, incidental and laboratory fees, <i>Schedule B-2</i> .....	\$109,408 00	
Special fees, degrees, etc., <i>Schedule B-2</i> .....	3,691 00	
For supplies, chemicals, laboratory material, etc.....	27,950 30	
For dormitories—Oxley Hall.....	16,825 79	
For locker rent.....	2,985 61	
		\$160,860 70
<b>INCOME FROM INVESTMENTS OF:</b>		
Endowments for general purposes, <i>Schedule J</i> (see below).....		
Endowments for designated purposes, <i>Schedule K</i> (see below).....		
Other investments (if any).....		
<b>INCOME FROM GRANTS BY NATION, STATE AND SPECIAL TAXATION:</b>		
State Aid: Income from endowments granted by State.....		
Income from endowments for general purposes.....	\$13,045 88	
Income from endowments for designated purposes.....	3,312 50	
Tax levy for current expenses (rate mills) .0535.....	378,088 17	
Appropriation for current expenses.....		
Tax levy for building or other special purposes.....		
Appropriations for buildings or other special purposes.....	575,205 16	
Federal Aid: Income from land grant act of July 2, 1862, (Paid by State).....	31,450 59	
Income from other land grants—Va. Mil. Lands (Paid by State).....	10,087 62	
Additional aid acts of Aug. 30, 1890, and March 4, 1907.....	50,000 00	
		1,061,189 92
<b>GIFTS FOR CURRENT EXPENSES:</b>		
For general purposes.....		
(Details).....		
For designated purposes.....		
(Details: such as gifts for immediate use on lands buildings etc.).....		
Ohio Biological Survey.....	\$205 50	205 50
<b>INCOME FROM OTHER SOURCES:</b>		
(Details).....		
Industrial Arts.....	\$111 64	
Architecture Photo.....	413 42	
For interest on deposits.....	473 91	
For rents—buildings.....	860 00	
For sale of produce—dairy and farm.....	27,597 82	
For veterinary clinic.....	2,444 85	
For Virginia Military Lands.....	178 00	
For testing cows.....	10,051 18	
For Miscellaneous sales, old material, etc.....	1,837 36	
Agricultural Extension.....	39 35	
University Architect Fees.....	500 00	
Practical Potters Course.....	144 30	
		44,711 83
<b>TEMPORARY ACCOUNTS:</b>		
Refunds and reimbursements.....	\$11,500 22	
*Transfer to State Treasurer, May 19, 1914.....	22,085 64	
		33,585 86
Total income.....		\$1,300,553 81

\* By act of Legislature, effective May 19, 1914, all University funds were transferred to the State Treasurer and the position of Ohio State University Treasurer was abolished. (Ohio Laws 104—page 178).



## RECEIPTS FROM STUDENTS

	Arts	Agriculture	Education	Engineering	Law	Pharmacy	Veterinary Medicine	Summer School	Graduate	Normal	Total
Number of students registered.....	870	1265	154	819	174	83	158	704	116	.....	4343
Number of students paying fees.....	869	1145	154	819	171	79	148	698	61	.....	4144
Number of students admitted without payment .....	1	120	0	0	3	4	10	6	55	.....	199
<b>TUITION, INCIDENTAL AND LABORATORY FEES:</b>											
Net receipts from all students.....	\$22,859 50	\$33,385 50	\$4,180 00	\$24,093 00	\$10,251 00	\$2,525 00	\$4,607 00	\$5,892 00	\$1,615 00	.....	\$109,408 00
Total amount of fees paid from scholarships or fellowship funds..											
Total receipts on account of fees corresponding to first item, Schedule B-1.....											
Tuition fee paid per student.....					45 00						
Incidental fee paid per student:											
1st semester .....	10 00	10 00	10 00	10 00	15 00	10 00	10 00	8 00	10 00	.....	
2nd semester .....	15 00	15 00	15 00	15 00	15 00	15 00	15 00	.....	15 00	.....	
Non-resident of State:											
1st semester .....	5 00	5 00	5 00	5 00	5 00	5 00	5 00	.....	.....	.....	
2nd semester .....	00	00	00	00	00	00	00	.....	.....	.....	
Incidental fee Lake Laboratory.....								20 00			
<b>SPECIAL FEES:</b>											
Auditor's fees .....											33 00
Special examinations .....											362 00
Diplomas .....											3,296 00
Total receipts on account of special fees corresponding to 2nd item, Schedule B-1.....											3,691 00

## Schedule C-1

## CLASSIFIED EXPENDITURES

	Items	Totals
<b>EXPENSE:</b>		
Salaries .....	\$599,610 72	
*Employees and extra labor.....	63,789 91	
Material and general supplies.....	33,937 04	
Laboratory supplies .....	36,649 03	
Coal and gas.....	25,283 69	
Water .....	7,693 24	
Stationery and office supplies (including postage).....	11,526 52	
Printing, bulletins and catalogues.....	11,239 37	
Advertising .....	604 50	
Traveling expenses .....	7,744 84	
Oxley Hall—food supplies.....	6,847 41	
Repairs—equipment .....	6,502 28	
Freight and cartage.....	4,131 51	
Incidentals .....	16,048 94	
Feed—live stock .....	5,920 85	
Virginia Military Lands.....	2,574 94	
Cow testing (see receipts).....	10,123 68	
Trustees expenses .....	695 86	
Research .....		
Scholarships and student aid.....	2,968 50	
Total Expenses, Schedule C-2.....		\$853,892 83
<b>EQUIPMENT:</b>		
Apparatus .....	\$24,861 53	
Books .....	15,212 62	
Collections .....	240 63	
Furniture and Fixtures.....	13,189 35	
Horses, wagons and harness.....	2,067 92	
Live stock .....	2,072 07	
Machinery, tools and implements.....	22,012 34	
Tunnels, conduits and heating lines.....	23,815 19	
Total equipment, Schedule C-2.....		103,471 55
ADDITIONS TO BUILDINGS.....		11,981 94
CLUSTER LIGHTS .....		807 95
FARM LANDS .....		56,000 00
FIRE PROTECTION .....		3,766 88
NEW BUILDINGS, Schedule C-2.....		190,703 96
RAILWAY, Schedule C-2.....		3,512 59
SEWERS, Schedule C-2.....		
GRADING, PLANTING, ROADS, WALKS, ETC., (new walks)....		8,753 83
DEPOSIT—City of Columbus—Police Department.....		1 00
GRACE ACKLAND JANSEN, (Mrs.).....		3,750 00
<b>TEMPORARY ACCOUNTS:</b>		
Refunds and reimbursements.....		11,500 22
State Treasurer transfer, 5-19-1914.....		22,085 64
Total Expenditures .....		\$1,270,223 39

\* Amount paid Students, \$18,169.00.



## Schedule C-2

## EXPENDITURES BY DEPARTMENTS OR DIVISIONS

Description	Expense Items	Totals	Equip- ment Items (Assets)	Totals	Total Cost of Depart- ment or Division	Totals
<b>DEPARTMENTS:</b> (Details Expense Items, Sch. C-3; Details equip- ment items, Sch. C-4)						
Agricultural Chemistry..	\$7,818 12		\$658 84		\$8,476 96	
Agronomy .....	8,433 37		806 06		9,299 43	
American History.....	6,310 80				6,310 80	
Anatomy and Physiology .....	8,097 21		479 95		8,577 16	
Animal Husbandry.....	26,065 38		2,966 46		29,061 84	
Architecture .....	5,768 88		280 82		6,049 70	
Art .....	4,235 91		131 35		4,367 26	
Astronomy .....	4,537 24		96 16		4,633 40	
Bacteriology .....	6,382 41		576 35		6,958 76	
Botany .....	9,641 09		1,227 31		10,868 40	
Ceramic Engineering....	9,092 24		467 17		9,559 41	
Chemistry .....	26,781 81		538 53		27,320 34	
Civil Engineering.....	14,614 78		581 74		15,196 52	
Dairying .....	26,153 89		3,291 29		29,450 18	
Dentistry .....	4 00				4 00	
Economics and Sociology .....	16,897 16		300 49		17,197 65	
Electrical Engineering...	9,936 27		1,636 77		11,573 04	
Engineering Drawing....	13,799 79		299 98		14,099 77	
English .....	22,800 95				22,800 95	
European History.....	7,576 54		8 25		7,579 79	
Forestry .....	5,156 23		165 49		5,319 82	
Geology .....	8,971 19		171 25		9,142 44	
German .....	13,487 03		82 55		13,569 58	
Greek .....	3,150 30		54 48		3,204 78	
History and Philosophy of Education .....	1,250 00		13 50		1,263 50	
Home Economics.....	12,777 16		700 75		13,477 92	
Horticulture .....	10,135 82		242 22		10,378 04	
Industrial Arts.....	14,693 45		1,267 61		15,961 06	
Latin .....	6,800 00		49 43		6,849 43	
Law .....	19,611 35		114 66		19,726 01	
Manual Training.....	1,885 97		175 34		2,069 31	
Mathematics .....	18,997 99		624 61		19,622 60	
Mechanical Engineering.	13,081 98		2,435 57		15,517 55	
Mechanics .....	5,227 24		89 70		5,286 94	
Medicine .....	4 00				4 00	
Metallurgy .....	5,191 44		617 85		5,809 29	
Meteorology .....	500 00				500 00	
Military Science.....	2,770 95		149 25		2,920 20	
Mine Engineering.....	4,894 88		625 16		5,518 04	
Mineralogy .....	1,901 66		335 35		2,237 01	
Pharmacy .....	6,416 65		153 53		6,570 18	
Philosophy .....	4,751 48		20 44		4,771 92	
Physical Education.....	10,203 94		545 99		10,757 93	
Physics .....	17,262 44		731 05		17,993 49	
Political Science.....	4,313 69		123 87		4,437 56	
Poultry .....					123 87	
Principles and Practice of Education .....	1,820 00				1,820 00	
Psychology .....	8,201 30		460 32		8,670 62	
Romance Languages.....	13,875 80		23 80		13,899 60	
Rural Economics.....	16,416 16		1,495 05		17,911 21	
School Administration...	4,833 42		54 08		4,887 50	
Veterinary Medicine.....	21,783 12		2,828 35		24,611 47	
Zoology and Entomology.	11,230 46		945 50		12,175 96	
Total Departments.....		\$506,585 04		\$29,565 23		\$536,150 27
Summer Schools.....	18,036 34		9 50		18,045 84	
Winter Course Lectures.	3,274 86				3,274 86	
Total Summer and Winter Courses .....		\$21,311 20		\$9 50		\$21,320 70
Forward .....		\$527,896 24		\$29,574 73		\$557,470 97

Schedule C-2—Continued

## EXPENDITURES BY DEPARTMENTS OR DIVISIONS—Continued

Description	Expense Items	Totals	Equipment Items (Assets)	Totals	Total Cost of Department or Division	Totals
Brought forward.....		\$527,896 24		\$29,574 73		\$557,470 97
LIBRARY .....	\$21,158 13		\$18,643 34		\$39,801 47	
Total Library.....		\$21,158 13		\$18,643 34		\$39,801 47
<b>SPECIAL FUNDS:</b>						
<i>(Details expense items in Sch. C-3; Details equipment items in Sch. C-4)</i>						
Winter Course in Highway Eng.....	\$934 97				\$934 97	
University Architect.....	4,787 57		\$16 31		4,803 88	
Architecture Photo.....	459 27				459 27	
Official Milk Testing....	1,142 62				1,142 62	
Practical Potters Course..	210 30				210 30	
High School Visitors....	4,714 00				4,714 00	
Agricultural Extension...	32,850 21		317 52		33,167 73	
Reimbursement Account..	152 59				152 59	
Ohio Biological Survey...	235 43				235 43	
Total Special Funds...		\$45,486 96		\$333 83		\$45,820 79
<b>ADMINISTRATION AND GENERAL ACCOUNTS:</b>						
Executive Offices.....	\$49,280 58		\$2,061 33		\$51,361 91	
<i>(Details expense items in Sch. C-3; Details equipment items in Sch. C-4)</i>						
Store Room.....	24,772 73		5,399 81		30,172 54	
<i>(Details expense items in Sch. C-3; Details equipment items in Sch. C-4)</i>						
General Accounts .....	24,770 64		2,185 65		26,956 29	
<i>(Details expense items in Sch. C-3; Details equipment items in Sch. C-4)</i>						
Commencement Exercises	7,276 14				7,276 14	
<i>(Details Schedule C-3)</i>						
Trustees' expenses.....	695 86				695 86	
Advertising .....	604 50				604 50	
Water .....	7,693 24				7,693 24	
Total—Adm. and Gen'l.		\$115,093 69		\$9,666 79		\$124,760 48
<b>OPERATION, MAINTENANCE AND EQUIPMENT OF PLANT:</b>						
Salaries: Janitors, caretakers, etc.....	\$26,599 16				\$26,599 16	
Salaries: Supt. Bldg., Engineers, Mechanics, etc.....	19,825 00				19,825 00	
Coal and Gas.....	25,283 69				25,283 69	
Heat, power & light plant	16,661 80		\$42,929 82		59,591 62	
<i>(Details expense items in Sch. C-3; Details equipment items in Sch. C-4)</i>						
Roads and Grounds.....	4,736 17		1,788 56		6,524 73	
<i>(Details expense items in Sch. C-3; Details equipment items in Sch. C-4)</i>						
Repairs, Building.....	21,778 72				21,778 72	
<i>(Current)</i>						
<i>(Details Schedule C-3)</i>						
Total Operation, Maintenance and Equipment .....		\$114,884 54		\$44,718 38		\$159,602 92
Amt. forward.....		\$824,519 56		\$102,937 07		\$927,456 63



## Schedule C-2—Concluded

## EXPENDITURES BY DEPARTMENTS OR DIVISIONS—Concluded

Description	Expense Items	Totals	Equip-ment Items (Assets)	Totals	Total Cost of Department or Division	Totals
Total brought forward.		\$824,519 56		\$102,937 07		\$927,456 63
DORMITORIES AND DINING HALLS: (Details expense items in Sch. C-3; Details equipment items in Sch. C-4)						
Oxley Hall (see Receipts)	\$13,706 15		\$534 48		\$14,240 63	
Total Dormitories, etc.		\$13,706 15		\$534 48		\$14,240 63
MISCELLANEOUS EXPENSES:						
Virginia Military Lands.	\$2,574 94				\$2,574 94	
Cow testing (see Receipts)	10,123 68				10,123 68	
Scholarships and Student Aid	2,968 50				2,968 50	
Total Misc. Expenses..		\$15,667 12				\$15,667 12
Total Ex. and Equip..		\$853,892 83		\$103,471 55		\$957,364 38
NEW BUILDINGS: (Details in Schedule C-4)						
Contracts .....			\$187,677 19			
Architects .....			951 48			
Elevator .....			200 00			
Printing and Advertising			52 80			
Freight, extra labor and material			1,822 49			
Total expenditures for new buildings.....						\$190,703 96
ADDITIONS TO BUILDINGS: (Details in Schedule C-4)			\$11,981 94			
NEW LANDS:						
Farm Lands (132 4-100 acres) .....			56,000 00			
CLUSTER LIGHTS:						
Freight, labor, material and tools.....			807 95			
FIRE PROTECTION:						
Freight, labor, material and tools.....			3,766 88			
RAILWAY:						
Freight, labor and material .....			3,512 59			
GRADING, PLANTING, ROADS, WALKS, ETC.:						
Labor and Material.....			8,753 83			
Total .....						\$84,823 19
DEPOSIT—City of Columbus—Police Department						\$1 00
Grace Ackland Jansen...						\$3,750 00
TEMPORARY ACCOUNTS:						
Refunds and reimbursements .....						11,500 22
State Treasurer .....						22,085 64
Total Expenditures.... Schedule C-1.						\$1,270,228 39

## DEPARTMENTAL EXPENSES

Schedule C-3

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Department or Division.	Salaries Instruction	Salaries Superintend- ent and Others	Employees and Ex- tra Labor	Stationery and Of- fice Supplies	Incidentals	Laboratory Supplies	Material and Gen- eral Supplies	Repairs of Equip- ment	Freight and Cartage	Feed	Research	Total Expenses
Agricultural Chemistry ....	\$7,000 00		\$532 02	\$63 53	\$19 60	\$165 96	\$16 50	\$11 95	\$8 56			\$7,818 12
Agronomy .....	6,950 00	\$600 00	543 47	34 93	44 13	111 94	70 02	19 38	59 50			8,433 37
American History .....	6,300 00			10 80								6,310 80
Anatomy and Physiology...	8,000 00		3 50	4 74		23 53	63 07		2 37			8,097 21
Animal Husbandry .....	9,500 00	1,200 00	6,677 10	176 32	1,128 75	145 50	982 17	173 87	466 53	\$5,645 14		26,095 38
Architecture .....	5,700 00		5 60	22 22	4 50		22 35	7 69	6 52			5,768 88
Art .....	4,100 00		60 15	12 25		15 92	45 95		1 64			4,235 91
Astronomy .....	4,450 00		18 74	13 74	4 54		46 58	50	3 14			4,537 24
Bacteriology .....	6,150 00		5 85	16 53	10 90	172 41	11 21	9 75	5 76			6,382 41
Botany .....	8,750 00	600 00	8 04	22 93	25 69	205 35	8 28	1 50	19 30			9,641 09
Ceramic Engineering .....	7,750 00	600 00	88 74	41 60	32 97	318 25	82 40	64 70	83 57			9,092 24
Chemistry .....	24,410 00		792 73	172 10	107 07	1,070 05	166 34	31 98	31 54			26,781 81
Civil Engineering .....	14,200 00		71 73	94 06	27 28	98 92	32 42	66 23	24 14			14,614 78
Dairying .....	6,700 00		4,572 79	202 60	116 48	13,624 66	601 17	133 43	207 76			26,158 89
Dentistry .....				4 00								4 00
Economics and Sociology..	16,745 00		58 25	73 91	10 05		3 59	1 50	4 86			16,897 16
Electrical Engineering .....	7,400 00	1,500 00	72 99	57 48	70 00	108 31	535 25	102 55	89 69			9,036 27
Engineering Drawing .....	13,600 00			138 28	11 21		43 72	2 40	4 26			13,799 79
English .....	22,750 00			31 60	18 95				40			22,800 95
European History .....	7,550 00			23 39	3 15							7,576 54
Forestry .....	4,900 00		118 47	28 02	1 51	45 82	43 91		18 60			5,156 33
Geology .....	8,700 00		83 81	10 20	72 78	24 51	68 19		11 70			8,971 19
German .....	13,450 00			30 78	4 25		90		1 10			13,487 03
Greek .....	3,150 00			30								3,150 30
History and Philosophy of Education .....	1,250 00											1,250 00
Home Economics .....	10,110 00	375 00	188 05	109 32	60 06	1,266 74	645 57	17 44	4 98			12,777 16
Horticulture .....	6,950 00		2,444 43	135 59	6 82	214 72	334 02	14 70	35 54			10,135 82
Industrial Arts .....	10,800 00		933 94	37 06	23 55	2,596 94	75 75	71 29	154 92			14,693 45
Latin .....	6,800 00											6,800 00
Law .....	19,400 00		39 00	33 77	25 76		112 07		75			19,611 35
Manual Training .....	1,800 00			21 22		47 76	1 22	1 13	14 64			1,885 97
Mathematics .....	18,950 00		5 10	28 84	2 25			15	11 65			18,997 99
Mechanical Engineering ...	9,000 00	1,860 00	367 20	149 96	129 83	92 92	1,179 78	227 79	134 50			13,081 98
Mechanics .....	5,200 00		8 18	9 55		9 00	51					5,227 24
Medicine .....				4 00								4 00
Metallurgy .....	4,350 00		416 48	35 12	2 53	132 53	117 32	80 25	57 21			5,191 44

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Meteorology .....	500 00											500 00
Military Science and Tac- tics .....	450 00	1,935 00	19 14	16 69	159 59		148 33	16 70	25 50			2,770 95
Mine Engineering .....	4,550 00		75 54	21 24	169 98	44 29	19 83	3 53	10 47			4,894 88
Mineralogy .....	1,800 00		3 90	2 18	25	38 86	20		8 27			1,901 66
Pharmacy .....	6,200 00		59 77	22 58	36 18	30 92	55 63	10 41	1 16			6,416 65
Philosophy .....	4,750 00			1 48								4,751 48
Physical Education .....	8,050 00	360 00	813 81	117 42	500 93		269 75	78 25	18 78			10,308 94
Physics .....	15,400 00	1,200 00	153 37	41 36	9 98	265 80	125 08	31 60	35 25			17,262 44
Political Science .....	4,300 00		9 90	3 79								4,313 69
Principles and Practice of Education .....	1,800 00				20 00							1,820 00
Psychology .....	7,980 00		9 00	18 77	26 01	139 30	6 40	5 50	16 32			8,201 30
Romance Languages .....	13,850 00			22 95	2 30				55			13,875 80
Rural Economics .....	3,074 97	2,533 30	6,694 76	389 93	1,412 19		1,545 06	396 79	92 85	275 71		16,416 16
School Administration .....	4,750 00			46 08	5 75	2 44	28 20		95			4,833 42
Veterinary Medicine .....	17,700 00	500 00	556 63	162 17	271 47	1,699 61	622 81	182 64	87 79			21,783 12
Zoology and Entomology...	11,050 00			53 06	12 48	81 38	6 68		26 86			11,230 46
Total Department Exp..	\$419,019 97	\$13,263 30	\$26,452 18	\$2,770 36	\$4,591 72	\$22,872 35	\$8,138 83	\$1,765 60	\$1,789 88	\$5,920 85		\$506,585 04

## DEPARTMENTAL EXPENSES—Concluded

Schedule C-3—Concluded

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Department or Division.	Salaries	Salaries Assistants, Clerks and Sten- ographers	Employees and Ex- tra Labor	Stationery and Of- fice Supplies	Incidentals	Laboratory Supplies	Material and Gen- eral Supplies	Repairs of Equip- ment	Freight and Cartage	Traveling Expenses	Printing Bulletins and Catalogues	Totals
SPECIAL INSTRUCTION:												
Summer Schools .....	\$17,188 00	\$300 00	\$132 84	\$48 91	\$204 77	\$68 08	\$33 98		\$32 26		\$27 50	\$18,036 34
Winter Course Lectures....	1,902 00		368 65	8 25	174 15	340 39	114 59		17 97	\$246 18	102 68	3,274 86
Total Special Instruction												
Dept. Expense.....	\$19,090 00	\$300 00	\$501 49	\$57 16	\$378 92	\$408 47	\$148 57		\$50 23	\$246 18	\$130 18	\$21,311 20
LIBRARY .....	\$2,000 00	\$12,365 00	\$3,682 27	\$694 20	\$258 29		\$187 67	\$1,529 45	\$441 25			\$21,158 13
SPECIAL FUNDS:												
University Architect.....	\$2,300 00	\$2,000 00	\$317 65	\$143 04	\$8 15		\$17 37		\$1 36			\$4,787 57
Architecture Photo.....			216 23	23	46	\$241 65			70			459 27
Practical Potters Course....	125 00		4 30							\$81 00		210 30
High School Visitors.....	4,300 00			16 53	35				40	388 20	\$8 52	4,714 00
Agricultural Extension.....	17,844 57	3,487 50	565 96	2,001 65	321 68		327 50	\$57 31	493 50	4,667 47	3,083 07	32,850 21
Ohio Biological Survey.....			80 70	33 46	1 70		6 94		70	79 85	32 08	235 43
Official Milk Testing.....		540 00	221 80	107 41	155 72		15 20		21 74	80 75		1,142 62
Reimbursement Account....	150 00		286 13	13 30	12 90		19 20		9 01	302 59	141 84	934 97
Winter Course in Highway Eng. ....			57 85				92 74		2 00			152 59
Total Special Funds.....	\$24,719 57	\$6,027 50	\$1,750 62	\$2,315 62	\$500 96	\$241 65	\$478 95	\$57 31	\$529 41	\$5,509 86	\$3,265 51	\$45,486 96
EXECUTIVE OFFICES:												
President .....	\$7,000 00	\$2,111 01	\$0 50	\$279 85	\$175 81			\$62 80	\$3 38		\$42 50	\$9,675 85
Secretary .....	4,624 92	9,449 58	148 13	769 75	327 67			21 05	20 96		321 78	15,683 84
Registrar .....	1,700 00	2,820 00	468 12	1,370 00	30 35				7 92	\$7 50	267 96	6,671 85
Dean of Women.....	2,000 00		171 62	40 13	18 00		\$17 15		38		7 70	2,254 98
Editor and Board of Pub- lication .....	1,800 00	916 67	1,489 03	770 09	35 32		3 20	1 74	169 88	3 95	5,965 60	11,155 48
Entrance Board.....	2,000 00	720 00	3 43	225 71	34 06			2 00	2 47		22 25	3,009 92
Offices—Graduate School, etc. ....	360 00		31 85	267 98	79 64			6 18	2 36		80 65	828 66
Total Executive Offices..	\$19,484 92	\$16,017 26	\$2,312 68	\$3,723 51	\$700 85		\$20 35	\$93 77	\$207 35	\$11 95	\$6,708 44	\$49,280 58
STORE ROOM .....	\$1,500 00	\$3,655 00	\$2,429 28	\$768 91	\$134 13	\$13,126 56	\$2,728 35	\$188 22	\$242 28			\$24,772 73



GENERAL EXPENSE AC- COUNT .....	1,541 66	12,352 38	1,516 46	1,084 74	3,444 33		2,351 38	122 42	186 68	\$1,887 35	\$283 24	24,770 64
COMMENCEMENT EXER- CISES .....			624 25	71 25	5,394 31		299 59		34 74		852 00	7,276 14
HEAT, POWER AND LIGHT .....		46,424 16	6,544 37	6 13	312 14		6,856 83	2,533 49	408 84			63,085 96
ROADS AND GROUNDS...			3,806 99		18		773 60	28 93	126 38			4,736 17
REPAIRS—Bldgs., Current..			10,451 08		28 50		11,033 91	162 85	102 38			21,778 72
OXLEY HALL .....	1,300 00	550 00	3,718 24	34 64	304 61	Food Supplies 6,847 41	918 92	20 24	12 09			13,706 15

LANDS, BUILDINGS AND EQUIPMENT.  
EQUIPMENT

Schedule C-4

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Department or Division.	Apparatus.	Books.	Collections.	Furniture and Fixtures.	Horses, Wagons and Harness.	Live Stock.	Machinery, Tools and Implements.	Totals.
Agricultural Chemistry .....	\$567 07			\$91 77				\$658 84
Agronomy .....	500 57			332 40			\$33 09	866 06
American History .....								479 95
Anatomy and Physiology .....	479 95							2,966 46
Animal Husbandry .....	68 99			11 98	\$863 50	\$1,998 57	23 42	280 82
Architecture .....	194 74			86 08				131 35
Art .....	67 35	\$46 00		18 00				96 16
Astronomy .....	57 35			29 03			9 78	576 35
Bacteriology .....	575 41						94	1,227 31
Botany .....	1,142 75	18 35		64 96			1 25	467 17
Ceramic Engineering .....	446 53	6 25		5 00			9 39	538 53
Chemistry .....	506 00			27 61			4 92	581 74
Civil Engineering .....	394 67			187 07				3,291 29
Dairying .....	2,855 26			431 26			4 77	300 49
Economics and Sociology .....	13 02			287 47				1,636 77
Electrical Engineering .....	1,595 15			6 83			34 79	209 98
Engineering Drawing .....	175 76	3 26		15 50			15 46	
English .....								3 25
European History .....	3 25							163 49
Forestry .....	157 24	6 00		25				171 25
Geology .....	102 25		69 00					82 55
German .....	23 25			59 30				54 43
Greek .....		6 13		48 30				

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History and Philosophy of Education..	13 50							13 50
Home Economics .....	428 88			269 03			2 85	700 76
Horticulture .....	138 12			104 10				242 22
Industrial Arts .....	1,266 90			71				1,267 61
Latin .....	9 25	5 68		34 50				49 43
Law .....				114 66				114 66
Manual Training .....	117 09			56 25				173 34
Mathematics .....	443 38			181 23				624 61
Mechanical Engineering .....	2,184 78			204 95			45 84	2,435 57
Mechanics .....	39 70							39 70
Amount forward.....	\$14,568 16	\$91 67	\$69 00	\$2,668 24	\$863 50	\$1,998 57	\$186 50	\$20,445 64

LANDS, BUILDINGS AND EQUIPMENT.  
EQUIPMENT—CONTINUED.

Schedule C-4—Continued

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Department or Division.	Apparatus.	Books.	Collections.	Furniture and Fixtures.	Horses, Wagons and Harness.	Live Stock.	Machinery, Tools and Implements.	Totals.
Brought forward.....	\$14,568 16	\$91 67	\$69 00	\$2,668 24	\$863 50	\$1,998 57	\$186 50	\$20,445 64
Metallurgy .....	614 35			3 50				617 85
Meteorology .....				113 85				149 25
Military Science and Tactics.....	35 40			71 60				623 16
Mine Engineering.....	551 56							335 35
Mineralogy .....	334 32		1 03	117 75				153 53
Pharmacy .....	35 78			7 50				20 44
Philosophy .....		12 94		166 30			11 62	548 99
Physical Education .....	371 07			12 50				731 05
Physics .....	718 55							
Political Science .....						73 50	1 50	123 87
Poultry .....	48 87							
Principles and Practice of Education..				50			166 56	469 32
Psychology .....	302 26							23 80
Romance Languages .....	23 80							1,495 05
Rural Economics .....	74 91			588 48	514 90		316 76	54 08
School Administration .....				54 08				2,828 35
Veterinary Medicine .....	1,646 53		159 10	273 98	689 52		59 22	945 50
Zoology and Entomology.....	765 05		11 50	156 70			12 25	
Total Department Equipment.....	\$20,090 61	*\$104 61	\$240 63	\$4,234 98	\$2,067 92	\$2,072 07	\$754 41	\$29,565 23

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*Added to Library Equipment.....	7 50			2 00				9 50
Summer Schools .....								
Winter Course Lectures.....								
Total Special Dept. Equipment....	7 50			2 00				9 50

LANDS, BUILDINGS AND EQUIPMENT  
EQUIPMENT — CONTINUED.

Schedule C-4—Continued

DEPARTMENT OR DIVISION	Apparatus	Books	Collections	Furniture and Fix- tures	Horses, Wagons and Harness	Live Stock	Machinery, Tools and Implements	Tunnels, Conduits and Heating Lines	Totals
Brought forward .....	\$20,098 11	*\$104 61	\$240 63	\$4,236 98	\$2,067 92	\$2,072 07	\$754 41		\$29,574 73
LIBRARY .....		15,091 44		3,551 90					18,643 34
SPECIAL FUNDS .....									
High School Visitors.....				130 63					317 52
Agricultural Extension ...	179 49	7 40		16 31					16 31
University Architect .....									
Total Special Funds....	\$179 49	\$15,098 84		\$3,698 84					\$18,977 17
ADMINISTRATION AND GEN- ERAL:									
Executive Offices:									
President .....				147 49					147 49
Secretary .....				549 10					549 10
Registrar .....				236 75					236 75
Editor—Bd. of Pub- lication .....				128 44			25 00		153 44
Entrance Board .....				170 57					170 57
Dean of Women.....				777 94					777 94
Graduate School, etc....				46 04					46 04



Store room .....	4,394 93	9.07		768 76			227 05		5,399 81
General .....	189 00			1,812 28			184 37		2,185 65
Total Administration and General .....	\$4,583 93	\$9 07		\$4,637 37			\$436 42		\$9,666 79
PLANT EQUIPMENT:									
Heat, Power and Light Plant .....				81 68			19,032 95	23,815 19	42,929 82
Roads and Grounds.....							1,788 56		1,788 56
Total Plant and Equip- ment .....				\$81 68			\$20,821 51	\$23,815 19	\$44,718 38
DORMITORIES AND DINING HALL:									
Oxley Hall .....				534 48					534 48
Total expenditures for Equipment, <i>Schedule</i> C-2 .....	\$24,861 53	\$15,212 52	\$240 63	\$13,189 35	\$2,067 92	\$2,072 07	\$22,012 34	\$23,815 19	\$103,471 55

\* Added to Library Equipment.

Schedule C-4—Concluded

## LANDS, BUILDINGS AND EQUIPMENT

## LANDS.

DESCRIPTION	Items	Totals
Cluster Lights .....	\$807 95	
Fire protection .....	3,766 88	
Farm Lands .....	56,000 00	
Sewers .....		
Railway to grounds.....	3,512 59	
Grading, planting, roads, walks, etc.....	8,753 83	
Additions to buildings.....	11,981 94	
Physics building .....	\$11,263 42	
Lord Hall .....	23 52	
Veterinary Clinic building.....	450 00	
Storage building .....	245 00	
Total expenditures for land and improvements, Schedule C-2 .....		\$84,823 19
NEW BUILDINGS		
Freight and kiln room.....	\$67 24	
Horticultural and Forestry building.....	89,221 73	
Botany and Zoology building.....	85,367 23	
Store Room and Receiving Department building.....	9,260 26	
Library building .....	6,787 50	
Total expenditures for new buildings for year, Schedule C-2 .....		\$190,703 96



## DEPARTMENTAL SALARIES—INSTRUCTION

Schedule C-5

College or Department.		Professors	Emeritus Professors	Associate Professors	Assistant Professors	Instructors	Assistants	Fellows	Student Assistants	Lecturers	Totals
Agricultural Chemistry	No. 1 Amt. \$3,000 00			1 \$1,800 00		1 \$1,000 00		4 \$1,200 00			\$7,000 00
Agronomy	No. 2 Amt. 4,200 00			(2) 1 1,200 00			(1) 4 1,550 00				6,950 00
American History	No. 2 Amt. 5,000 00					1 1,000 00			2 300 00		6,300 00
Anatomy and Physiology	No. 1 Amt. 2,750 00			1 1,700 00	1 1,400 00	1 1,000 00	(5) 6 1,150 00				8,000 00
Animal Husbandry	No. (2) 1 Amt. 2,000 00			2 3,500 00		2 3,000 00	1 1,000 00				9,500 00
Architecture	No. 2 Amt. 3,200 00					2 2,500 00					5,700 00
Art	No. 1 Amt. 400 00					3 3,700 00					4,100 00
Astronomy	No. 1 Amt. 2,750 00			1 1,700 00							4,450 00
Bacteriology	No. 1 Amt. 2,750 00				1 1,700 00	* 1 500 00	* 1 600 00	1 300 00	1 300 00		6,150 00
Botany	No. 1 Amt. 2,250 00				2 3,200 00	2 2,700 00		1 300 00	2 300 00		8,750 00
Ceramic Engineering	No. 2 Amt. 6,250 00				1 1,500 00						7,750 00
Chemistry	No. 5 Amt. 12,600 00		1 \$1,250 00		1 1,500 00	1 1,200 00	6 4,200 00	† 13 3,660 00			24,410 00
Civil Engineering	No. 3 Amt. 7,750 00				2 3,200 00	2 2,400 00	1 750 00			2 100 00	14,200 00
Dairying	No. 1 Amt. 2,500 00				1 1,700 00	2 2,500 00					6,700 00
Economics and Sociology	No. (2) 4 Amt. 8,000 00				4 6,300 00	* 2 1,110 00	1 600 00	1 300 00	* 2 435 00		16,745 00
Electrical Engineering	No. 2 Amt. 4,500 00					2 2,200 00	1 700 00				7,400 00
Engineering Drawing	No. 1 Amt. 3,000 00				1 1,700 00	7 8,600 00	1 300 00				13,600 00
English	No. (2) 5 Amt. 11,550 00				4 6,000 00	1 1,000 00	1 600 00	12 3,600 00			22,750 00

College or Department.		Professors	Emeritus Professors	Associate Professors	Assistant Professors	Instructors	Assistants	Fellows	Student Assistants	Lecturers	Totals
European History .....	No. 3					1					
	Amt. 6,550 00					1,000 00					7,550 00
Forestry .....	No. 1				2						
	Amt. 2,500 00				2,400 00						4,900 00
Geology .....	No. 2				1	2		2			
	Amt. 5,050 00				1,500 00	1,850 00		300 00			8,700 00
German .....	No. 4				2		1				
	Amt. 4,750 00				6,000 00	2,200 00	500 00				13,450 00
Greek .....	No. 2				1						
	Amt. 2,950 00				200 00						3,150 00
History and Philosophy of Education...	No. 2				1						
	Amt. 850 00				400 00						1,250 00
Home Economics .....	No. 1				3		4				
	Amt. 2,100 00				1,500 00	3,510 00	3,000 00				10,110 00
Horticulture .....	No. 1			2			1				
	Amt. 2,750 00		3,600 00				600 00				6,950 00
Industrial Arts.....	No. 1				1	3	4				
	Amt. 2,200 00				1,600 00	3,650 00	3,350 00				10,800 00
Law .....	No. (2) 7				2						
	Amt. 15,600 00				3,800 00						19,400 00
Latin .....	No. (2) 3						1				
	Amt. 6,200 00						600 00				6,800 00
Manual Training .....	No. 1				1						
	Amt. 1,800 00				1,800 00						1,800 00
Mathematics .....	No. 5			1	4		1				
	Amt. 10,750 00			1,600 00	5,900 00		700 00				18,950 00
Mechanical Engineering .....	No. 2			1		1	1		1		
	Amt. 5,250 00			1,700 00		1,000 00	750 00		300 00		9,000 00
Mechanics .....	No. 2								1		
	Amt. 4,900 00								300 00		5,200 00
Metallurgy .....	No. (3) 2					1					
	Amt. 3,850 00					500 00					4,350 00
Meteorology .....	No. 1										
	Amt. 500 00										500 00
Military Science and Tactics.....	No. 1										
	Amt. 450 00										450 00



Mine Engineering .....	{ No. 1			1				† 3		
	{ Amt. 2,000 00			1,800 00				750 00		4,550 00
Mineralogy .....	{ No. 1			1,800 00						1,800 00
	{ Amt. 2				1			2		
Pharmacy .....	{ No. 4,000 00				1,500 00			700 00		6,200 00
	{ Amt. 2									4,750 00
Philosophy .....	{ No. 4,750 00									4,750 00
	{ Amt. 1				2	1		1		
Physical Education .....	{ No. 2,750 00		1,750 00		2,500 00	800 00		300 00		8,050 00
	{ Amt. 4			2	1					
Physics .....	{ No. 9,600 00			3,600 00	1,200 00	700 00	3	900 00		15,400 00
	{ Amt. 1			1,800 00						
Political Science .....	{ No. 2,500 00									4,300 00
	{ Amt. 1									
Principles and Practice of Education...	{ No. 1,800 00									1,800 00
	{ Amt. 2				2					
Psychology .....	{ No. 5,000 00				2,800 00			180 00		7,980 00
	{ Amt. 3			2	4					
Romance Languages .....	{ No. 6,750 00			2,900 00	4,200 00					13,850 00
	{ Amt. 2				1					
Rural Economics .....	{ No. 1,874 97				1,200 00					3,074 97
	{ Amt. 1			1,750 00						4,750 00
School Administration .....	{ No. 3,000 00				3					
	{ Amt. 4			4,350 00		2,100 00				17,700 00
Veterinary Medicine .....	{ No. 11,250 00			1	1					
	{ Amt. 2		1,600 00	1,600 00	1,000 00		(4) 7	2		
Zoology and Entomology.....	{ No. 4,750 00						2,010 00	90 00		11,050 00
	{ Amt. 99	1	11	45	57	39	45	18	2	
Totals .....	{ No. \$219,274 97	\$1,250 00	\$21,900 00	\$72,300 00	\$63,120 00	\$24,250 00	\$12,750 00	\$4,075 00	\$100 00	\$419,019 97
	{ Amt. 32		5	12	8	4				
Summer School .....	{ No. 10,608 00		1,400 00	3,105 00	1,595 00	480 00				17,188 00
	{ Amt. 6					1,350 00			18	
Winter Course in Agriculture.....	{ No. 552 00								552 00	1,902 00
	{ Amt. 32		5	12	8	10			18	
Totals .....	{ No. \$10,608 00		\$1,400 00	\$3,105 00	\$1,595 00	\$1,830 00			\$552 00	\$19,090 00
	{ Amt. 32		5	12	8	10			18	

† One part time. (1) Two part time. (2) One absent on leave 1913-1914. (3) One absent on leave, second semester. (4) Three part time. (5) Four part time. \* Part time.

BALANCE  
(FOR THE END  
June 30,

## CURRENT ASSETS.

Cash in banks and on hand for current expenses, <i>Schedule E</i> .....	\$ 39,491 56	
Accounts receivable, <i>Schedule F</i> .....	454 00	
Auditor of State—Special appropriations, <i>Schedule L</i> .....	383,874 36	
Store Room (Supplies per inventory) .....	60,264 71	
Total current assets .....		\$484,084 63

## 2. INVESTMENT ASSETS, AT END OF YEAR.

Securities—State Treasurer (Irreducible debt of State) <i>Schedule G</i> .....	\$ 985,070 40	
Total investment assets .....		\$ 985,070 40

## EDUCATIONAL PLANT—LANDS, BUILDINGS AND EQUIPMENT.

Balance at beginning of year, <i>Schedule I</i> .....	\$4,708,609 05	
Additions during year, <i>Schedule H</i> .....	362,755 96	
Total Educational Plant .....		\$5,071,365 01
Total assets .....		\$6,540,520 04



## Schedule D

## SHEET

OF THE YEAR)

1914.

## 1. CURRENT LIABILITIES.

Special State Appropriations, <i>Schedule L</i> .....	\$ 383,874 36
Other current liabilities .....	
Total current liabilities .....	<u>\$383,874 36</u>

## 2. ENDOWMENT FUNDS, ETC., AT END OF YEAR.

## Endowment Capital Accounts —

Funds for general purposes, invested, <i>Schedule J</i>	\$914,710 01
Funds for designated purposes, invested, <i>Schedule K</i> .....	70,360 39
Total liabilities, endowment funds ....	<u>\$985,070 40</u>

## 3. EDUCATIONAL PLANT, DEBT AND CAPITAL ACCOUNT.

Investment of capital account.....	\$5,171,575 28
Total Educational Plant .....	<u>\$5,171,575 28</u>
Total Liabilities .....	<u>\$6,540,520 04</u>

Schedule E

## CASH RECEIPTS AND DISBURSEMENTS.

FOR ALL PURPOSES DURING THE YEAR.

Total Cash Receipts.....	\$1,313,393 86
Total Cash Disbursements.....	1,283,068 44
Excess of Receipts .....	\$30,325 42
Cash Balance at beginning of year.....	9,166 14
Cash Balance at end of year.....	\$ 39,491 56

## CASH BALANCE.

AT END OF YEAR.

Cash Deposit at Banks:

*(Details as to cash for immediate use and for investment).*

The State Treasurer for general purposes..... \$39,491 56

Cash at Offices:

*(Details as to cash for immediate use and for investment).*

Cash Balance as above..... \$39,491 56

Schedule F

## ACCOUNTS RECEIVABLE.

MISCELLANEOUS:

*(Details)*

Columbus Water Works — Meter Deposits \$ 450 00

Columbus Police Department (Deposit) 4 00

TOTAL, Schedule D

\$ 454 00



## Schedule G

## SECURITIES, BONDS, STOCKS AND REAL ESTATE MORTGAGES

Description	Balance at Beginning of Year	Purchase or Other Additions during Year	Total	Sales during Year	Balance at End of Year	Interest Received	Added to Investments during Year
INVESTMENTS:							
Sec. 4105-15 R. S. Ir-reducible debt of State.	\$972,230 35	\$12,840 05	\$985,070 40		\$985,070 40	\$58,747 62	\$851 03
Totals .....	\$972,230 35	\$12,840 05	\$985,070 40		\$985,070 40	\$58,747 62	\$851 03
Total Schedule D...					\$985,070 40		

## Schedule H

## ADDITIONS TO LANDS, BUILDINGS AND EQUIPMENT.

## ADDITION TO LANDS:

(Details, Schedule I.) .....	\$ 56,000 00
Sewers .....	
Cluster Lights .....	807 95
Railway to Grounds .....	3,512 59
Fire Protection .....	3,766 88
Grading, Planting, Roads, Walks, etc .....	8,753 83

## ADDITIONS TO BUILDINGS:

(Details, Schedule I.) .....	188,689 90
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## EQUIPMENT:

(Details, Schedule I.) .....	101,228 81
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Total during year .....	\$ 362,755 96
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## EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT

ACCOUNT	Balance at Beginning of Year—Cost	Expended During Year —Cost	Gifts and Additions During Year—Value	Total	Sales and Other Dis- positions During Year—Cost	Balance at End of Year—Cost
UNIVERSITY SITE, CAMPUS, GROUNDS, ETC.						
231 11-100 acres, purchased 1871, cost.....	\$117,508 00					
12 14-100 acres, purchased 1879, cost.....	607 00					
93 59-100 acres, purchased 1906, cost.....	39,139 11					
14 acres, purchased 1911, cost.....	7,500 00					
132 4-100 acres, purchased 1914, cost.....	56,000 00					
582 88-100 acres, cost.....	\$220,754 11					
Appraised value, 1900, (\$1,500,000.00).....	\$1,547,500 00	\$56,000 00		\$1,603,500 00		\$1,603,500 00
CLUSTER LIGHTS <sup>1</sup> .....	804 07	807 95		1,612 02		1,612 02
FIRE PROTECTION <sup>1</sup> .....	4,523 48	3,766 88		8,290 36		8,290 36
GRADING, PLANTING, ROADS, WALKS, ETC.....	48,000 00	8,753 83		56,753 83		56,753 83
SEWERS .....	17,681 00			17,681 00		17,681 00
RAILWAY .....	46,102 16	3,512 59		49,614 75		49,614 75
BUILDINGS:						
Store Room and Receiving Department.....	1,935 12	9,260 26		11,195 38		11,195 38
Botany and Zoology.....	7,931 23	85,367 23		93,298 46		93,298 46
University Hall .....	139,625 00			139,625 00		139,625 00



Dormitory, Small (Boys).....	5,000 00		5,000 00		5,000 00
Repair Shops .....	10,000 00		10,000 00		10,000 00
Botanical Building .....	15,000 00		15,000 00		15,000 00
Horticultural Building <sup>2</sup> .....	7,500 00		7,500 00	\$7,500 00	
Horticulture and Forestry Building.....		89,221 73	89,221 73		89,221 73
English Recitation Building <sup>2</sup> .....	6,500 00		6,500 00	6,500 00	
Tool Shed .....	1,000 00		1,000 00		1,000 00
Hayes Hall .....	55,000 00		55,000 00		55,000 00
Residences (Five) .....	27,000 00		27,000 00		27,000 00
Farm Buildings (Five).....	5,000 00		5,000 00		5,000 00
Orton Hall .....	100,000 00		100,000 00		100,000 00
Townshend Hall .....	110,000 00		110,000 00		110,000 00
Armory and Gymnasium.....	115,000 00		115,000 00		115,000 00
Biological Building .....	55,000 00		55,000 00		55,000 00
Emerson McMillen Observatory.....	16,000 00		16,000 00		16,000 00
Boiler House .....	47,937 17		47,937 17		47,937 17
Power House .....	24,290 02		24,290 02		24,290 02
Brown Hall .....	75,000 00		75,000 00		75,000 00
Page Hall (Law).....	100,000 00		100,000 00		100,000 00
Veterinary Laboratory .....	35,000 00		35,000 00		35,000 00
Physics Building .....	80,000 00	11,263 42	91,263 42		91,263 42
Chemistry Building .....	110,367 00		110,367 00		110,367 00
Lord Hall .....	85,000 00	23 52	85,023 52		85,023 52
Engineering Laboratory .....	75,000 00		75,000 00		75,000 00
Freight and Kiln Room.....		67 24	67 24		67 24
Horse Building .....	25,000 00		25,000 00		25,000 00
Cattle Building .....	35,000 00		35,000 00		35,000 00
Judging Pavilion .....	20,000 00		20,000 00		20,000 00
Oxley Hall (Girls' Dormitory).....	66,490 85		66,490 85		66,490 85
Veterinary Clinic Building.....	87,780 06	450 00	88,230 06		88,230 06
Students' Building (Club House).....	78,243 50		78,243 50		78,243 50
Lake Laboratory .....	2,500 00		2,500 00		2,500 00
Library Building .....	290,537 73	6,787 50	297,325 23		297,325 23
Poultry Building .....	5,199 51		5,199 51		5,199 51
Storage Building .....	10,000 00	245 00	10,245 00		10,245 00
Total Buildings .....	\$1,930,837 19	\$202,685 90	\$2,133,523 09	\$14,000 00	\$2,119,523 09
Total Lands, Buildings, etc.....	\$3,595,447 90	\$275,527 15	\$3,870,975 05	\$14,000 00	\$3,856,975 05

(1) Previously included in O. and M. expense. (2) Razed. (3) Destroyed by fire.

## EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT—Continued.

Schedule 1—Continued

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ACCOUNT	Balance at Beginning of Year—Cost	Expended During Year —Cost	Gifts and Additions During Year—Value	Total	Sales and Other Dis- positions During Year—Cost	Balance at End of Year—Cost
EQUIPMENT: DEPARTMENTS—						
Agricultural Chemistry .....	\$7,857 36	\$658 84		\$8,516 20		\$8,516 20
Agronomy .....	6,974 28	866 06		7,840 34		7,840 34
American History .....	561 33			561 33		561 33
Anatomy and Physiology .....	7,251 60	479 95		7,731 55		7,731 55
Animal Husbandry .....	26,714 24	2,966 46	31 00	29,711 70	370 75	29,340 95
Architecture .....	7,223 74	280 82		7,504 56		7,504 56
Art .....	1,654 89	85 35		1,740 24		1,740 24
Astronomy .....	17,587 17	96 16		17,683 33		17,683 33
Bacteriology .....	5,923 81	576 35		6,500 16		6,500 16
Botany .....	11,977 03	1,208 96		13,185 99		13,185 99
Ceramic Engineering .....	13,538 64	460 92	200 00	14,199 56	552 39	13,647 17
Chemistry .....	12,394 87	538 53		12,933 40	2 70	12,930 70
Civil Engineering .....	15,865 49	581 74		16,447 23		16,447 23
Dairying .....	12,392 98	3,291 29	237 27	15,921 54	528 78	15,392 76
Economics and Sociology .....	536 92	300 49		837 41		837 41
Electrical Engineering .....	35,067 61	1,636 77		36,704 38	25 00	36,679 38
Engineering Drawing .....	7,081 39	206 72		7,288 11		7,288 11
English .....	778 33			778 33	721 08	57 25
European History .....	642 73	3 25		645 98		645 98
Forestry .....	1,328 25	157 49		1,485 74		1,485 74
Geology .....	26,107 93	171 25		26,279 18	4 00	26,275 18
German .....	426 46	82 55		509 01		509 01
Greek .....	440 83	48 30	28 20	517 33	4 50	512 83

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History and Philosophy of Education.....	246 25	13 50		259 75		259 75
Home Economics .....	3,792 92	700 76		4,493 68		4,493 68
Horticulture .....	1,890 84	242 22		2,133 06		2,133 06
Industrial Arts .....	25,552 56	1,267 61		26,820 17	83 87	26,736 30
Latin .....	499 98	43 75		543 73		543 73
Law .....	4,848 80	114 66		4,963 46		4,963 46
Manual Training .....	254 78	173 34		428 12		428 12
Mathematics .....	270 96	624 61		895 57		895 57
Mechanical Engineering .....	65,457 42	2,435 57	391 92	68,284 91	35 76	68,249 15
Mechanics .....	717 26	39 70		756 96	97	755 99
Metallurgy .....	11,671 33	617 85	662 96	12,952 14	255 19	12,696 95
Military Science and Tactics.....	2,474 16	149 25		2,623 41		2,623 41
Mine Engineering .....	9,569 57	623 16		10,192 73		10,192 73
Mineralogy .....		335 35		335 35		335 35
Pharmacy .....	3,276 82	153 53		3,430 35	93 32	3,337 03
Philosophy .....	124 85	7 50		132 35		132 35
Physical Education .....	7,040 02	548 99		7,589 01		7,589 01
Physics .....	35,111 48	731 05		35,842 53		35,842 53
Political Science .....	182 43			182 43		182 43
Poultry .....	1,067 60	123 87	107 86	1,299 33	26 18	1,273 15
Principles and Practice of Education.....	38 75			38 75		38 75
Psychology .....	1,701 57	469 32		2,170 89	25 07	2,145 82
Romance Languages .....	347 40	23 80		371 20		371 20
Rural Economics .....	10,298 44	1,495 05	34 00	11,827 49		11,827 49
School Administration .....	301 63	54 08		355 71		355 71
Veterinary Medicine .....	19,225 29	2,828 35		22,053 64		22,053 64
Zoology and Entomology.....	22,583 04	945 50		23,528 54	95 20	23,433 34
Library .....	331,297 06	18,747 95		350,045 01		350,045 01
Summer School .....	320 01	9 50		329 51		329 51
Archaeology .....	6,498 00			6,498 00		6,498 00
Agricultural Extension .....	6,946 14	317 52		7,263 66		7,263 66
Dean of Women.....	248 10	777 94		1,026 04		1,026 04
University Architect .....	211 34	16 31		227 65		227 65
General Offices, Recitation Room and Laboratories...	25,968 53	3,489 04	30 00	29,487 57	745 50	28,742 07
Stores and Receiving Department.....		1,066 19		1,066 19		1,066 19
Store Room .....	30,017 18	4,333 62		34,350 80	43 34	34,307 46
Light, Heat and Power Plant.....	249,498 60	42,817 60		292,316 20		292,316 20
Roads and Grounds.....	2,330 15	1,900 78	15.00	4,245 93	125 64	4,120 29

## EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT—Concluded

Schedule I—Concluded

110

ACCOUNT	Balance at Beginning of Year—Cost	Expended During Year —Cost	Gifts and Additions During Year—Value	Total	Sales and Other Dis- positions During Year—Cost	Balance at End of Year—Cost
Dormitories—Oxley Hall.....	10,719 33	534 48	25 00	11,278 81	266 71	11,012 10
Small Dormitory (Men).....	232 68			232 68		232 68
Total Equipment .....	\$1,113,161 15	\$103,471 55	\$1,763 21	\$1,195,304 90	\$4,005 95	\$1,191,298 95
Grand Total, Lands, Buildings and Equipment, Schedule D .....	\$4,708,609 05	\$378,998 70	\$1,763 21	\$5,089,370 96	\$18,005 95	\$5,071,365 01

ANNUAL REPORT



Schedule J

## ENDOWMENT FUNDS FOR GENERAL PURPOSES

Name and Description of Funds	Total Principal and Additions Received to Beginning of Year	Received during Year		Total	Income Expended During Year	Total Principal and Additions at End of Year
		Gifts and Other Additions	Income (from State)			
Original Endowment..... Land Grant, Act of Congress July 2, 1862. Total amount derived from sale of 629,920 acres of land, scrip, \$342,450.80. Accumulation added (state) 181,725.70.	\$524,176 50		\$31,450 59	\$555,627 09	\$31,450 59	\$524,176 50
Virginia Military Lands.... Ceded to State by an Act of Congress Feb. 18, 1871. Act of General Assembly March 26, 1872, accepted said grant and conveyed the lands to the Trustees of the Ohio Agricultural and Mechanical College for the benefit of that institution. Subsequent acts, April 3, 1873, and March 14, 1889..	101,763 15	11,339 02	10,087 62	183,189 79	10,087 62	173,102 17
Henry Folsom Page..... A bequest left by him Oct. 27, 1891, and ratified by his wife and daughter, the entire estate to be disposed of and proceeds paid to State Treasurer in accordance with Sec. 4105 R. S., the disposition of income to be left entirely to the discretion of the Board of Trustees.	217,431 34		13,045 88	230,477 22	13,045 88	217,431 34
Totals .....	\$903,370 99	\$11,339 02	\$54,584 09	\$969,294 10	\$54,584 09	\$914,710 01
Funds expended on teaching, etc., such as charged in expense account.....					\$54,584 09	
Total endowment fund for general purposes at end of year (irreducible debt of state) <i>Schedule D</i> .....						\$914,710 01

## ENDOWMENT FUNDS FOR DESIGNATED PURPOSES

Name and Description of Funds	Total Principal and Additions Received to Beginning of Year	Received during Year		Total	Income Expended During Year	Total Principal and Additions at End of Year
		Gifts and Other Additions	Income (from State)			
<p>William J. Bryan Prize Fund</p> <p>This fund of \$250.00 was given by Mr. Bryan, July 20, 1898, and invested in accordance with Sec. 4105-15 R. S., the income to be used as a prize for the best essay on "The Principles Which Underlie Our Form of Government." In any year when no prize is awarded, the income shall be added to the principal. Sec. 4105-47 R. S.</p>	\$569 94		\$34 70	\$604 64		\$604 64
<p>Stillman W. Robinson Fellowship Fund.....</p> <p>Established January 28, 1903, by a gift of \$5,000.00 from Prof. Robinson, and invested in accordance with Sec. 4105-15 R. S. An additional gift of \$1850.00 was received July 20, 1909, and likewise invested, the income to be used in maintaining a Fellowship in the Engineering College.</p>	9,413 52		573 28	9,986 80		9,986 80
<p>C. Newton Brown Scholarship Fund.....</p> <p>This fund was created May 18, 1903, by the payment of \$1,000.00 received from former students of Prof. Brown and invested in accordance with Sec. 4105-15 R. S. An additional amount of \$92.00 was received December 1, 1904, and likewise invested. The income to be invested in accordance with Sec. 4105-47 R. S. until the principal is sufficient to maintain a scholarship in the department of Civil Engineering.</p>	1,971 59		120 06	2,091 65		2,091 65
<p>J. McLain Smith Scholarship Fund.....</p> <p>A bequest left by him September 27, 1905, the entire estate to be sold and proceeds paid to State Treasurer in accordance with Sec. 4105-15 R. S. The income to be used by the Board of Trustees in assisting worthy young men and young women in attaining an education.</p>	25,446 51		1,527 21	26,973 72	1,523 60	25,450 12



## Schedule K—Continued.

## ENDOWMENT FUNDS FOR DESIGNATED PURPOSES—Continued.

Name and Description of Funds	Total Principal and Additions Received to Beginning of Year	Received during Year		Total	Income Expended During Year	Total Principal and Additions at End of Year
		Gifts and Other Additions	Income (from State)			
Joseph H. Outhwaite Library Fund..... September 28, 1908, a gift of \$2,000.00 was received from Mrs. Outhwaite in memory of the late Dean Outhwaite and invested in accordance with Sec. 4105-15 R. S., the income to be used for the purchase of books relating to the Civil War.	2,000 00		120 00	2,120 00	120 00	2,000 00
Derby Scholarship Fund.... This fund was established November 23, 1908, by a gift of \$500.00 from Prof. Samuel C. Derby and invested in accordance with Sec. 4105-47 R. S. until the annual income shall be at least \$300.00. The said income to be used in maintaining the Derby Scholarship .....	1,582 53		96 37	1,678 90		1,678 90
Frederick C. Clark Library Fund .....	2,000 00		120 00	2,120 00	120 00	2,000 00
Established November 23, 1908, by a gift of \$2,000.00 from Mrs. Clark in memory of the late Prof. F. C. Clark and invested in accordance with Sec. 4105-15 R. S., the income to be used for the purchase of books in the field of Economics.						
Robert P. Scott Student Aid Fund .....	25,065 00	50 00	1,504 40	25,619 40	1,503 90	25,115 50
Established by a gift of \$25,000.00 from Robert P. Scott, January 2, 1909, and invested in accordance with Sec. 4105-15 R. S., the income to be used in assisting worthy and needy students.						

## ENDOWMENT FUNDS FOR DESIGNATED PURPOSES—Concluded

## Schedule K—Concluded

Name and Description of Funds	Total Principal and Additions Received to Beginning of Year	Received during Year		Total	Income Expended During Year	Total Principal and Additions at End of Year
		Gifts and Other Additions	Income (from State)			
<p>Siebert Library of German History</p> <p>A bequest left by William Siebert, March 23, 1898, consisting of his library on German History and Science. This library has been added to by books purchased from gifts of his brothers, Louis and John Siebert. June 6, 1913, by Board action, \$750.00 of the Siebert fund was transferred from the Ohio State University Treasury to the State Treasury to be invested in accordance with Sec. 4105-15 R. S., the income to be used for the purchase of books on German history</p>	750 00	100 00	45 00	895 00	45 00	850 00
<p>Nathaniel R. Coleman Library of Medical Literature</p> <p>A gift from his wife, Sarah J. Coleman, Nov. 15, 1913, consisting of 538 volumes of the late Nathaniel R. Coleman, with a few additional rare volumes.</p> <p>Also \$500.00 to be invested in accordance with Sec. 4105-15 R. S., the income to be used for the purchase of books on medicine.</p>		500 00	18 85	518 85		518 85
<p>Class of 1886, Sword Fund..</p> <p>Gift, January 1, 1911.</p>	60 27		3 66	63 93		63 93
Totals .....	\$68,869 36	\$650 00	\$4,163 53	\$73,672 89	\$3,312 50	\$70,360 39
<p>Total funds for designated purposes at end of year (irreducible debt of state),</p> <p>Schedule D.....</p>						\$70,360 39



## STATE AID—SPECIAL APPROPRIATION

Title or Description	Balance at Beginning of Year	Appropriated during Year	Total	Requisitions During Year	Cancelled	Balance at End of Year
Additional Farm Lands and Improvements .....	\$12,500 00	\$42,000 00	\$54,500 00	\$54,500 00		
Addition to Physics Building. Agricultural Extension and Mechanical Arts .....	35,000 00	18,222 50	53,222 50	33,043 83		\$28,839 40
Agriculture Winter Course....		3,000 00	3,000 00			3,000 00
Biological Survey .....		1,856 00	1,856 00			1,856 00
Botany and Zoology Building. Botany and Zoology Building Equipment .....	117,129 25	10,000 00	117,129 25	85,389 85		31,739 40
Cluster Lights .....		2,622 00	2,622 00			10,000 00
College of Agriculture—Apparatus and Equipment.....	10,000 00	11,376 50	21,376 50	9,868 08		11,508 42
College of Agriculture—Dean..		5,000 00	5,000 00	1,874 97		3,125 03
College of Agriculture—Salaries .....		15,000 00	15,000 00			15,000 00
Coal and Gas.....	25,000 00	25,285 00	50,285 00	25,381 58		24,903 42
College of Arts—Apparatus and Equipment.....	825 00	935 00	1,760 00	483 10		1,276 90
College of Education—Apparatus and Equipment.....		500 00	500 00			500 00
College of Engineering—Apparatus and Equipment...	7,000 00	8,248 50	15,248 50	5,938 60		9,309 90
College of Veterinary Medicine—Apparatus and Equipment .....	5,000 00		5,000 00	3,590 36		1,409 64
Emergency .....		13,272 00	13,272 00	10,071 54		3,200 46
Equipment Agronomy Dept....	788 93		788 93	788 93		
Equipment Dairy Dept.....	1,557 48		1,557 48	1,557 48		
Equipment Electrical Engineering Laboratory .....	2,134 82		2,134 82	2,134 82		
Equipment Mechanical Engineering Laboratory.....	2,980 38		2,980 38	2,980 38		
Equipment New Library Bldg.	10,778 84		10,778 84	8,964 16		1,814 68
Equipment Power House.....	15,354 34	18,000 00	33,354 34	15,358 94		17,995 40
Equipment University Farm...	1,884 52		1,884 52	1,883 05		1 47
Extension of Hot Water Heating System—Tunnels .....	16,475 00	7,280 70	23,755 70	14,828 36		8,927 34
Extension Tunnel to Archaeological Museum .....	7,800 00		7,800 00	7,800 00		
Extension Tunnel to Botany and Zoology Buildings.....		7,653 00	7,653 00	1,816 40		5,836 60
Fire Escapes and Remodeling University Hall .....	925 56		925 56	925 56		
Fire Protection .....	2,500 00	4,610 10	7,110 10	3,296 19		3,813 91
Freight and Kiln Room.....		12,200 00		77		12,199 23
General Budget .....	30,630 00	50,000 00	80,630 00	78,027 51		2,602 49
Graduate School .....		2,500 00	2,500 00			2,500 00
Horticultural and Forestry Building .....	75,000 00	70,000 00	145,000 00	88,500 42		56,499 58
Horticultural and Forestry Building Equipment.....		10,000 00	10,000 00			10,000 00
Forward .....	\$881,264 12	\$379,561 30	\$760,825 42	\$470,165 48		\$290,659 94

## Schedule L—Concluded

## STATE AID—SPECIAL APPROPRIATION—Concluded

Title or Description	Balance at Beginning of Year	Appropriated During Year	Total	Requisitions During Year	Cancelled	Balance at End of Year
Brought Forward.....	\$381,264 12	\$379,561 30	\$760,825 42	\$470,165 48		\$290,659 94
Incinerators .....	1,000 00		1,000 00	621 18		378 82
Labor on Farm (Due to flood) .....	300 00		300 00	300 00		
Library—Binding .....		2,000 00	2,000 00	330 40		1,669 60
Library—Books .....	14,290 19	16,350 00	30,640 19	15,844 24		14,795 95
Library—Building .....	109 54		109 54	109 54		
Library—New Stacks.....		3,200 00	3,200 00			3,200 00
Motor Truck .....	2,500 00		2,500 00	2,500 00		
New Roads .....	1,000 00	4,000 00	5,000 00	1,000 00		4,000 00
New Roof on Gymnasium.....	2,000 00		2,000 00	1,442 69		557 31
Official Milk Testing.....	2,000 00	2,200 00	4,200 00	1,526 83		2,673 17
Ohio Union Vault.....		500 00	500 00			500 00
Physical Plant .....		23,951 80	23,951 80	3,056 90		20,894 90
Railway to Grounds.....	2,666 28		2,666 28	1,847 86		818 42
Remodeling Orton Hall.....	2,000 00		2,000 00	1,944 77		55 23
Remodeling Page Hall.....	4,000 00		4,000 00	3,486 00		514 00
Repairs and Betterment of Buildings and Grounds.....	25,778 96		25,778 96	25,778 96		
Repairs to Railway (Due to Flood) .....	6,160 00		6,160 00	6,160 00		
Roads and Grounds—Labor..		1,194 90	1,194 90	103 63		1,091 27
Scientific Apparatus, Laboratory Equipment .....	2,507 41		2,507 41	2,507 41		
Sidewalks .....	2,000 00	6,000 00	8,000 00	2,067 20		5,932 80
Store Room and Receiving Department Building.....	9,303 30		9,303 30	9,303 30		
Summer Session.....	10,000 00	15,000 00	25,000 00	10,038 56		14,961 44
Teachers Contingency.....		10,000 00	10,000 00			10,000 00
Veterinary Clinic Building and Equipment .....	2,109 72		2,109 72	1,430 12		679 60
Veterinary Laboratory—Dog House .....		147 00	147 00			147 00
Veterinary Laboratory—Elevator .....		400 00	400 00			400 00
Veterinary Laboratory—New Floor .....		1,320 00	1,320 00			1,320 00
Water Rates .....	7,000 00	8,160 00	15,160 00	7,669 29		7,490 71
Winter Course in Highway Engineering .....	1,000 00	875 00	1,875 00	955 17		919 83
Wood Working Machinery....		1,480 00	1,480 00	1,265 63		214 37
Grace Ackland Jansen.....		3,750 00	3,750 00	3,750 00		
Total .....	\$478,989 52	\$480,090 00	\$959,079 52	\$575,205 16		\$983,874 36



## OXLEY HALL

Schedule M

## RECEIPTS AND DISBURSEMENTS—SUPPLEMENTAL.

## RECEIPTS—

Balance July 1, 1913.....		\$8,891 81
For Rooms .....	\$4,163 50	
For Board .....	11,857 33	
For Guests .....	301 05	
For Meals to Rooms.....	16 05	
For Laundry .....	358 43	
For Miscellaneous .....	129 43	
Total receipts .....		16,825 79
Total receipts and balance.....		\$25,717 60

## DISBURSEMENTS—

Salary, Superintendent .....	\$1,300 00	
Salary, Secretary .....	550 00	
Employees and Extra Labor.....	3,718 24	
Stationery and Office Supplies.....	34 64	
Incidentals .....	304 61	
Food Supplies .....	6,847 41	
Material and General Supplies.....	918 92	
Freight and Cartage.....	12 09	
Repairs—Furniture and Fixtures.....	20 24	
Furniture and Fixtures.....	534 48	
Water, Gas and Electricity (General accounts)....	1,247 86	
Total Expenditures .....		15,488 49
Balance June 30, 1914.....		\$10,229 11

## APPENDIX I.

## BOARD OF TRUSTEES 1913-1914

	<i>Date Original Appointment</i>	<i>Term Expires</i>
WALTER J. SEARS, Chillicothe.....	May 13, 1907.....	May 13, 1914
JOHN T. MACK, Sandusky.....	Feb. 24, 1893.....	" 1915
JULIUS F. STONE, Columbus.....	May 13, 1909.....	" 1916
GUY W. MALLON, Cincinnati.....	May 11, 1903.....	" 1917
O. E. BRADFUTE, Cedarville.....	Aug. 21, 1905.....	" 1918
FRANK E. POMERENE, Coshocton.....	May 15, 1905.....	" 1919
BENJ. F. McCANN, Dayton.....	May 13, 1913.....	" 1920

## OFFICERS OF THE BOARD

WALTER J. SEARS.....	<i>Chairman</i>
JULIUS F. STONE.....	<i>Vice-Chairman</i>
CARL E. STEEB.....	<i>Secretary</i>
LOWRY F. SATER.....	<i>Treasurer</i>

## COMMITTEES OF THE BOARD

## EXECUTIVE

WALTER J. SEARS,	F. E. POMERENE,
JULIUS F. STONE.	

## FARM

O. E. BRADFUTE,	BENJ. F. McCANN,
JOHN T. MACK.	

## AUDITING

JOHN T. MACK,	O. E. BRADFUTE,
GUY W. MALLON.	

## FACULTY

GUY W. MALLON,	BENJ. F. McCANN,
F. E. POMERENE.	

## BUILDINGS

JULIUS F. STONE,	BENJ. F. McCANN,
GUY W. MALLON.	

## ROADS AND GROUNDS

F. E. POMERENE,	JULIUS F. STONE,
O. E. BRADFUTE.	



## APPENDIX II.

## ADMINISTRATIVE OFFICERS

## THE UNIVERSITY

WILLIAM OXLEY THOMPSON, D. D., LL. D.....	<i>President</i>
Office, University Hall.	
CARL E. STEEB, B. PH.....	<i>Business Manager and Secretary of Board of Trustees</i>
Office, University Hall.	
WILBUR E. MANN, M. A.,	<i>Secretary of the University Faculty and University Editor</i>
Office, University Hall.	
R. M. ROYER.....	<i>Assistant Purchasing Agent</i>
Office, University Hall.	
EDITH D. COCKINS, B. A.....	<i>Registrar</i>
Office, University Hall.	
KATHARINE H. DUNCAN.....	<i>Executive Clerk</i>
Office, University Hall.	
BESS C. WATTERS.....	<i>Cashier</i>
Office, University Hall.	
KARL D. SWARTZEL, PH. D.....	<i>Dean of the Summer Session</i>
Office, University Hall.	
GEORGE R. TWISS.....	<i>High School Visitor</i>
Office, University Hall.	
F. B. PEARSON.....	<i>High School Visitor</i>
Office, University Hall.	
LESTER E. WOLFE.....	<i>Secretary of the Entrance Board</i>
Office, University Hall.	
JOHN A. BOWNOCKER, D. SC.....	<i>Curator of Geological Museum</i>
WILLIAM C. MCCracken.....	<i>Superintendent of Buildings and Chief Engineer</i>
Office, Power House.	

## APPENDIX III.

## MEMBERS OF UNIVERSITY FACULTY AND OTHER INSTRUCTORS.

1913-1914

WILLIAM OXLEY THOMPSON.....	University Grounds
	<i>President</i>
WALTER QUINCY SCOTT.....	Ellensburg, Wash.
	<i>Emeritus President and Professor of Philosophy</i>
THOMAS CORWIN MENDENHALL.....	Ravenna, Ohio
	<i>Emeritus Professor of Physics</i>
SIDNEY AUGUSTUS NORTON.....	363 East Town Street
	<i>Emeritus Professor of Chemistry</i>
WILLIAM HENRY SCOTT.....	Clintonville, Ohio
	<i>Emeritus Professor of Philosophy</i>
*SAMUEL CARROLL DERBY.....	93 Fifteenth Avenue
	<i>Professor of Latin</i>
WILLIAM RANE LAZENBY .....	348 West Eighth Avenue
	<i>Professor of Forestry</i>
†JOSIAH RENICK SMITH.....	
	<i>Professor of Greek</i>
GEORGE WELLS KNIGHT.....	104 Fifteenth Avenue
	<i>Professor of American History</i>
ROSSER DANIEL BOHANNAN.....	226 Sixteenth Avenue
	<i>Professor of Mathematics</i>
ALBERT MARTIN BLEILE.....	218 King Avenue
	<i>Professor of Anatomy and Physiology</i>
GEORGE BEECHER KAUFFMAN.....	Worthington and Mill Roads
	<i>Professor of Pharmacy and Dean of the College of Pharmacy</i>
BENJAMIN LESTER BOWEN.....	775 East Broad Street
	<i>Professor of Romance Languages</i>
JOSEPH VILLIERS DENNEY.....	190 West Eleventh Avenue
	<i>Professor of English and Dean of the College of Arts, Philosophy and Science</i>

\* Absent on leave 1913-14.

† Died February 15, 1914.



EDWARD ORTON, JR.....	Lincoln Hotel
<i>Professor of Ceramic Engineering and Dean of the College of Engineering</i>	
DAVID STUART WHITE.....	1656 Neil Avenue
<i>Professor of Veterinary Medicine and Dean of the College of Veterinary Medicine</i>	
EDGAR BENTON KINKEAD.....	1944 Iuka Avenue
<i>Professor of Law</i>	
WILLIAM THOMAS MAGRUDER.....	342 West Ninth Avenue
<i>Professor of Mechanical Engineering</i>	
*WILLIAM HERBERT PAGE.....	Grandview Heights, Sta. A., R. D. No. 5
<i>Professor of Law</i>	
WILLIAM MCPHERSON .....	198 Sixteenth Avenue
<i>Professor of Chemistry and Dean of the Graduate School</i>	
JOSEPH NELSON BRADFORD.....	1598 Neil Avenue
<i>Professor of Architecture</i>	
HERBERT OSBORN .....	485 King Avenue
<i>Professor of Zoology and Entomology and Director of Lake Laboratory</i>	
OLIVE B. JONES.....	95 West Eleventh Avenue
<i>Librarian</i>	
HENRY CURWEN LORD.....	University Grounds
<i>Professor of Astronomy and Director of the Emerson McMillin Observatory</i>	
FRANK EDWIN SANBORN.....	90 Fourteenth Avenue
<i>Professor of Industrial Arts</i>	
FRANK ARNOLD RAY.....	R. F. D. No. 3, Newark, Ohio
<i>Professor of Mine Engineering</i>	
JOHN ALLEN SHAUCK.....	95 Winner Avenue
<i>Professor of Law</i>	
FRANCIS CARY CALDWELL.....	206 Sixteenth Avenue
<i>Professor of Electrical Engineering</i>	
CAPT. GEORGE L. CONVERSE, U. S. A. (retired).....	298 King Avenue
<i>Professor of Military Science and Tactics</i>	
CHARLES SMITH PROSSER.....	114 West Tenth Avenue
<i>Professor of Geology</i>	
JOHN ADAMS BOWNOCKER.....	185 Fifteenth Avenue
<i>Professor of Inorganic Geology and Curator of Museum</i>	
ALFRED DODGE COLE.....	1648 Neil Avenue
<i>Professor of Physics</i>	

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\* Absent on leave, 1913-14.

WILBUR HENRY SIEBERT.....	182 West Tenth Avenue
<i>Professor of European History</i>	
CHRISTOPHER ELIAS SHERMAN.....	141 Thirteenth Avenue
<i>Professor of Civil Engineering</i>	
*CHARLES SUMNER PLUMB.....	1980 Indianola Avenue
<i>Professor of Animal Husbandry</i>	
†WILLIAM W. BOYD.....	56 North Monroe Avenue
<i>Professor of School Administration and Dean of the College of Education</i>	
SEPTIMUS SISSON .....	274 Fourteenth Avenue
<i>Professor of Comparative Anatomy</i>	
HOMER CHARLES PRICE.....	1986 Indianola Avenue
<i>Professor of Rural Economics and Dean of the College of Agriculture</i>	
EDMOND B. DILLON.....	83 Wilson Avenue
<i>Professor of Law</i>	
*JAMES E. HAGERTY.....	94 Fifteenth Avenue
<i>Professor of Economics and Sociology</i>	
DAVID R. MAJOR.....	146 East Frambes Avenue
<i>Professor of Psychology</i>	
CHARLES BRADFIELD MORREY.....	188 West Tenth Avenue
<i>Professor of Bacteriology</i>	
FRANK HARVEY ENO.....	222 Sixteenth Avenue
<i>Professor of Municipal Engineering</i>	
ALFRED VIVIAN .....	96 Lexington Avenue
<i>Professor of Agricultural Chemistry</i>	
JAMES ELLSWORTH BOYD.....	188 East Frambes Avenue
<i>Professor of Mechanics</i>	
THOMAS EWING FRENCH.....	1458 Worthington Street
<i>Professor of Engineering Drawing</i>	
ARTHUR GILLETT MCCALL.....	141 West Eleventh Avenue
<i>Professor of Agronomy</i>	
GEORGE WASHINGTON RIGHTMIRE.....	262 Nineteenth Avenue
<i>Professor of Law</i>	
H. SHINDLE WINGERT.....	12 Fifteenth Avenue
<i>Professor of Physical Education</i>	
OSCAR ERF .....	157 Twelfth Avenue
<i>Professor of Dairying</i>	

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\* Absent on leave 1913-14.

† Resigned June, 1914.



†FRANK PIERREPONT GRAVES.....	1340 Highland Street
<i>Professor of the History and Philosophy of Education</i>	
HENRY RUSSELL SPENCER.....	518 East Broad Street
<i>Professor of Political Science</i>	
ALONZO HUBERT TUTTLE.....	47 Twelfth Avenue
<i>Professor of Law</i>	
GEORGE WASHINGTON MCCOARD.....	1448 Neil Avenue
<i>Professor of Mathematics</i>	
ARTHUR WINFRED HODGMAN.....	46 Fourteenth Avenue
<i>Professor of Latin</i>	
WILLIAM EDWARDS HENDERSON.....	186 Sixteenth Avenue
<i>Professor of Inorganic and Physical Chemistry</i>	
JOSEPH RUSSELL TAYLOR.....	155 Thirteenth Avenue
<i>Professor of English</i>	
CHARLES A. BRUCE.....	1981 Indianola Avenue
<i>Professor of Romance Languages</i>	
CHARLES WILLIAM FOULK.....	384 King Avenue
<i>Professor of Analytical Chemistry</i>	
FRANCIS LEROY LANDACRE.....	2026 Iuka Avenue
<i>Professor of Zoology and Entomology</i>	
WALLACE STEDMAN ELDEN.....	1734 Summit Street
<i>Professor of Latin</i>	
MATTHEW BROWN HAMMOND.....	1481 Michigan Avenue
<i>Professor of Economics and Sociology</i>	
KARL DALE SWARTZEL.....	1952 Iuka Avenue
<i>Professor of Mathematics</i>	
HARRY WALDO KUHN.....	1460 Michigan Avenue
<i>Professor of Mathematics</i>	
*GEORGE HARLEY MCKNIGHT.....	646 Franklin Avenue
<i>Professor of English</i>	
*THOMAS HARVEY HAINES.....	327 East Broad Street
<i>Professor of Psychology</i>	
ARTHUR ERNEST DAVIES.....	146 East Frambes Avenue
<i>Professor of Philosophy</i>	

† Resigned October, 1913.

\* Absent on leave 1913-14.

CLYDE T. MORRIS.....	2043 Iuka Avenue
<i>Professor of Structural Engineering</i>	
*GEORGE RANSOM TWISS.....	318 West Ninth Avenue
<i>High School Visitor</i>	
FRANCIS BAIL PEARSON.....	125 Wilson Avenue
<i>High School Visitor</i>	
WENDELL PADDOCK .....	Grandview, Columbus, Ohio
<i>Professor of Horticulture</i>	
JOHN J. ADAMS.....	102 Latta Avenue
<i>Professor of Law and Dean of the College of Law</i>	
CLAIR ALBERT DYE.....	1569 Worthington Street
<i>Professor of Pharmacy</i>	
OSCAR V. BRUMLEY.....	105 Thirteenth Avenue
<i>Professor of Veterinary Surgery</i>	
EDWARD E. SOMERMEIER.....	318 West Ninth Avenue
<i>Professor of Metallurgy</i>	
EUGENE F. MCCAMPBELL.....	115 East Woodruff Avenue
<i>Professor of Bacteriology</i>	
J. WARREN SMITH.....	375 West Eighth Avenue
<i>Professor of Meteorology</i>	
JOSEPH A. LEIGHTON.....	14 South Eighteenth Street
<i>Professor of Philosophy</i>	
A. G. G. RICHARDSON.....	1448 Neil Avenue
<i>Professor of Veterinary Pathology</i>	
SAMUEL J. BARNETT.....	1634 Neil Avenue
<i>Professor of Physics</i>	
JOHN H. SCHAFFNER.....	174 Twelfth Avenue
<i>Professor of Botany</i>	
WILLIAM LLOYD EVANS.....	81 South Champion Avenue
<i>Professor of Chemistry</i>	
MARSHALL BLAKEMORE EVANS.....	181 King Avenue
<i>Professor of German</i>	
WILLIAM LUCIUS GRAVES.....	1313 Forsythe Avenue
<i>Professor of English</i>	
CAROLINE M. BREYFOGLE.....	16 Fourteenth Avenue
<i>Dean of Women</i>	

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\* Absent on leave 1913-14.



ALAN ESTIS FLOWERS.....	1468 Michigan Avenue
<i>Professor of Electrical Engineering</i>	
GEORGE FREDERICK ARPS.....	216 East Lane Avenue
<i>Professor of Psychology</i>	
EDWIN F. CODDINGTON.....	426 Fifteenth Avenue
<i>Professor of Mechanics</i>	
ROBERT F. EARHART.....	371 West Tenth Avenue
<i>Professor of Physics</i>	
FAYETTE A. MCKENZIE.....	83 Sixteenth Avenue
<i>Professor of Economics and Sociology</i>	
JAMES RENWICK WITHROW.....	77 Sixteenth Avenue
<i>Professor of Chemistry</i>	
BERTHOLD AUGUST EISENLOHR.....	1594 Neil Avenue
<i>Professor of German</i>	
FREDERICK COLUMBUS BLAKE.....	350 Iuka Avenue
<i>Professor of Physics</i>	
OLIVER CAREY LOCKHART.....	194 Thirteenth Avenue
<i>Professor of Economics and Sociology</i>	
EDGAR SHUGERT INGRAHAM.....	Clintonville, Ohio
<i>Professor of Romance Languages</i>	
EDNA NOBLE WHITE.....	1874 Summit Street
<i>Professor of Home Economics</i>	
EDGAR HOLMES MCNEAL.....	1342 Forsythe Avenue
<i>Professor of European History</i>	
HOMER C. HOCKETT.....	Worthington, Ohio
<i>Professor of American History</i>	
SAMUEL EUGENE RASOR.....	1594 Neil Avenue
<i>Professor of Mathematics</i>	
CHARLES ST. JOHN CHUBB.....	390 Fifteenth Avenue
<i>Professor of Architecture</i>	
SAMUEL CARSON DUNCAN.....	316 West Eighth Avenue
<i>Professor of English</i>	
HARRY CLIFFORD RAMSOWER.....	57 East Woodruff Avenue
<i>Professor of Rural Engineering</i>	
DANA JAMES DEMOREST.....	372 Fourteenth Avenue
<i>Professor of Metallurgy</i>	

CHARLES CLIFFORD HUNTINGTON.....	1485 Pennsylvania Avenue	<i>Professor of Economics and Sociology</i>
FRANKLIN WALES MARQUIS.....	412 West Eighth Avenue	<i>Professor of Steam Engineering</i>
LYNN WILBUR ST. JOHN.....	94 East Frambes Avenue	<i>Professor of Competitive and Recreative Athletics</i>
JOHN WOODWORTH WILCE.....	121 Fourteenth Avenue	<i>Professor of Competitive and Recreative Athletics</i>
FRANK RILEY CASTLEMAN.....	80 East Norwich Avenue	<i>Professor of Competitive and Recreative Athletics</i>
ARTHUR S. WATTS.....	207 West Eighth Avenue	<i>Professor of Ceramic Engineering</i>
R. V. SCHMITT.....	271 Miller Avenue	<i>Acting Professor of Greek Language and Literature</i>
JAMES STEWART HINE.....	1340 Hunter Avenue	<i>Associate Professor of Zoology and Entomology</i>
CHARLES LINCOLN ARNOLD.....	328 West Eighth Avenue	<i>Associate Professor of Mathematics</i>
THOMAS SCOTT LOWDEN.....	317 West Sixth Avenue	<i>Associate Professor of the Principles and Practice of Education</i>
WILLIAM ABNER KNIGHT.....	206 West Lane Avenue	<i>Associate Professor of Machine Shop Practice</i>
HORACE JUDD .....	281 Thirteenth Avenue	<i>Associate Professor of Experimental Engineering</i>
ALICE LITTLEJOHN GOETZ.....	293 Eighteenth Avenue	<i>Associate Professor of Physical Education</i>
RAYMOND JESSE SEYMOUR.....	262 Fourteenth Avenue	<i>Associate Professor of Anatomy and Physiology</i>
EDMUND SEWALL MANSON, JR.....	4 Thirteenth Avenue	<i>Associate Professor of Astronomy</i>
JOHN F. LYMAN.....	1345 Highland Street	<i>Associate Professor of Agricultural Chemistry</i>
CHARLES CLEMENTS MORRIS.....	149 East Frambes Avenue	<i>Assistant Professor of Mathematics</i>
ALPHEUS WILSON SMITH.....	323 West Ninth Avenue	<i>Assistant Professor of Physics</i>



- WELLS H. MINOR.....132 West Tenth Avenue  
*Assistant Professor of Mine Engineering*
- ROY K. SCHLAFLY.....1826 North Fourth Street  
*Assistant Professor of Civil Engineering*
- VERNON H. DAVIS.....236 West Eighth Avenue  
*Assistant Professor of Horticulture*
- ROBERT FISKE GRIGGS.....431 West Eighth Avenue  
*Assistant Professor of Botany*
- JOHN BOWKER PRESTON.....290 East Fifteenth Avenue  
*Assistant Professor of Mathematics*
- ROBERT MEIKLEJOHN .....1528 Worthington Street  
*Assistant Professor of Engineering Drawing*
- MAY THOMAS .....1634 Neil Avenue  
*Assistant Professor of German*
- CHARLES E. BLANCHARD.....139 West Northwood Avenue  
*Assistant Professor of Law*
- GRACE MARIE BAREIS.....201 West Eleventh Avenue  
*Assistant Professor of Mathematics*
- ALFRED PAUL DACHNOWSKI.....307 West Ninth Avenue  
*Assistant Professor of Botany*
- LOUIS ALBION COOPER.....163 West Ninth Avenue  
*Assistant Professor of English*
- THEODORE ELY HAMILTON.....220 West Ninth Avenue  
*Assistant Professor of Romance Languages*
- EDWIN POE DURRANT.....Westerville, Ohio  
*Assistant Professor of Anatomy and Physiology*
- CLARENCE PERKINS .....212 West Tenth Avenue  
*Assistant Professor of European History*
- WILLIAM MORTON BARROWS.....385 East Oakland Avenue  
*Assistant Professor of Zoology and Entomology*
- CHARLES SHEARD .....367 West Tenth Avenue  
*Assistant Professor of Physics*
- SARAH T. BARROWS.....1806 North High Street  
*Assistant Professor of German*
- EDWIN LONG BECK.....349 West Tenth Avenue  
*Assistant Professor of English*

HARRY FRANKLIN HARRINGTON.....	2117 Indianola Avenue
<i>Assistant Professor of English</i>	
THOMAS McD. HILLS.....	76 Twelfth Avenue
<i>Assistant Professor of Geology</i>	
FONSA ALLEN LAMBERT.....	1994 Summit Street
<i>Assistant Professor of Comparative Anatomy</i>	
ERNEST SCOTT .....	Clintonville, Ohio
<i>Assistant Professor of Pathology</i>	
CARL JOSEPH WEST.....	53 East Woodruff Avenue
<i>Assistant Professor of Mathematics</i>	
WILLIAM BARNEY COCKLEY.....	47 Twelfth Avenue
<i>Assistant Professor of Law</i>	
LEWIS M. MONTGOMERY.....	1532 Worthington Street
<i>Assistant Professor of Horticulture</i>	
NORMAN W. SCHERER.....	1846 Summit Street
<i>Assistant Professor of Forestry</i>	
V. A. KETCHAM.....	47 East Patterson Avenue
<i>Assistant Professor of English</i>	
WILLIAM J. McCAUGHEY.....	50 East Frambes Avenue
<i>Assistant Professor of Mineralogy</i>	
LUDWIG LEWISOHN .....	23 Sixteenth Avenue
<i>Assistant Professor of German</i>	
FRANCIS W. COKER.....	70 Twelfth Avenue
<i>Assistant Professor of Political Science</i>	
GARLAND A. BRICKER.....	297 West Tenth Avenue
<i>Assistant Professor of Agricultural Education</i>	
HENRY F. WALRADT.....	64 Fourteenth Avenue
<i>Assistant Professor of Economics and Sociology</i>	
ROBERT OSCAR BUSEY.....	2050 Iuka Avenue
<i>Assistant Professor of German</i>	
OMER C. CUNNINGHAM.....	368 East Northwood Avenue
<i>Assistant Professor of Dairying</i>	
BEATRICE SHEETS.....	298 Woodland Avenue
<i>Assistant Professor of Economics and Sociology</i>	
GEORGE S. CHAPIN.....	55 East Woodruff Avenue
<i>Assistant Professor of Romance Languages</i>	



- FREEMAN S. JACOBY.....360 Nineteenth Avenue  
*Assistant Professor of Poultry Husbandry*
- CHARLES FORD LONG.....1507 Hawthorne Avenue  
*Assistant Professor of Chemistry*
- ANNA R. VAN METER.....227 Fifteenth Avenue  
*Assistant Professor of Home Economics*
- CARL EUGENE PARRY.....212 West Tenth Avenue  
*Assistant Professor of Economics and Sociology*
- CLYDE ORVAL RUGGLES.....295 Fourteenth Avenue  
*Assistant Professor of Economics and Sociology*
- ELDON LEONARD USRY.....1912 Summit Street  
*Assistant Professor of Manual Training*
- JAMES HOWARD SNOOK.....35 Twelfth Avenue  
*Assistant Professor of Veterinary Surgery*
- WILLIAM A. STARIN.....Clintonville, Ohio  
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- DONALD J. KAYS.....181 West Eighth Avenue  
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- GEORGE LIVINGSTON .....Grandview Heights  
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- CARL B. HARROP.....29 West Oakland Avenue  
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- WILLIAM S. HINDMAN.....26 West Frambes Avenue  
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*Assistant Professor of Veterinary Medicine*
- ALLANDO A. CASE.....Powell, Ohio  
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- FREDERICA DETMERS .....1448 Neil Avenue  
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- WILLIAM J. NORRIS.....60 East Eighth Avenue  
*Instructor in Engineering Drawing*
- CLEMENT M. BEEM.....173 Fourteenth Avenue  
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- FRANK T. HASKETT .....229 West Eighth Avenue  
*Instructor in Architecture*

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HERMAN GUSTAVUS HEIL.....	323 West Ninth Avenue
<i>Instructor in Physics</i>	
OWEN E. WILLIAMS.....	2094 Tuller Street
<i>Instructor in Engineering Drawing</i>	
CREE SHEETS.....	52 East Lane Avenue
<i>Instructor in Engineering Drawing</i>	
MARGARET S. F. DACHNOWSKI.....	1551 Worthington Street
<i>Instructor in Art</i>	
FREDERICK W. IVES.....	2145 Tuller Street
<i>Instructor in Engineering Drawing</i>	
WILLIAM DAVIS TURNBULL.....	2208 Indiana Avenue
<i>Instructor in Engineering Drawing</i>	
OTTO F. BOND.....	315 Twentieth Avenue
<i>Instructor in Romance Languages</i>	
THOMAS D. PHILLIPS .....	30 East Frambes Avenue
<i>Instructor in Rural Economics</i>	
ANNA F. BLOHM.....	1874 Summit Street
<i>Instructor in Home Economics</i>	
JOHN E. SHEPARDSON.....	2144 Neil Avenue
<i>Instructor in Electrical Engineering</i>	
THOMAS GUTHRIE PHILLIPS.....	31 Twelfth Avenue
<i>Instructor in Agricultural Chemistry</i>	
ARTHUR C. HARPER.....	10 West Woodruff Avenue
<i>Instructor in Engineering Drawing</i>	
ROBERT B. STOLTZ .....	1565 Worthington Street
<i>Instructor in Dairying</i>	
WILMER G. STOVER.....	325 West Tenth Avenue
<i>Instructor in Botany</i>	
MAUD C. HATHAWAY.....	2018 North High Street
<i>Instructor in Home Economics</i>	
EDGAR M. ALLEN.....	22 Twelfth Avenue
<i>Instructor in Anatomy and Physiology</i>	



CECIL E. BOORD.....	1310 Forsythe Avenue
<i>Instructor in Chemistry</i>	
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<i>Instructor in Engineering Drawing</i>	
MARY LOUISE SHEPHERD.....	965 Bryden Road
<i>Instructor in Art</i>	
*ANDREW M. JANSEN.....	
<i>Instructor in Bacteriology</i>	
WENCIL J. KOSTIR.....	129 West Tenth Avenue
<i>Instructor in Zoology and Entomology</i>	
THEODORE F. KOTZ.....	2178 Summit Street
<i>Instructor in German</i>	
ALICE ROBINSON.....	295 Nineteenth Avenue
<i>Instructor in Art</i>	
CLARA GOULD MARK.....	Westerville, Ohio
<i>Instructor in Geology</i>	
ARTHUR M. SCHLESINGER.....	212 West Tenth Avenue
<i>Instructor in American History</i>	
GEORGE F. SCHLESINGER.....	16 Thirteenth Avenue
<i>Instructor in Civil Engineering</i>	
GEORGE H. BARTHALOMEW.....	1674 North High Street
<i>Instructor in Physical Education</i>	
HENRY C. OHLSON.....	16 West Tenth Avenue
<i>Instructor in Physical Education</i>	
ROSCOE C. SLOANE.....	1463 North High Street
<i>Instructor in Civil Engineering</i>	
WALTER A. VERWEIBE.....	1342 Forsythe Avenue
<i>Instructor in Geology</i>	
RUDOLPH PINTNER.....	100 East Norwich Avenue
<i>Instructor in Psychology</i>	
EMILE CATHERINE RENZ.....	1606 Neil Avenue
<i>Instructor in Economics and Sociology</i>	
WILBERT C. RONAN.....	36 Fourteenth Avenue
<i>Instructor in Architecture</i>	
HOWARD F. DUNHAM.....	172 West Tenth Avenue
<i>Instructor in Romance Languages</i>	

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\* Died January 1914.

JAY K. DITCHY.....	234 West Tenth Avenue
<i>Instructor in Romance Languages</i>	
WILMER C. HARRIS.....	1342 Forsythe Avenue
<i>Instructor in European History</i>	
H. C. KEIDEL.....	139 West Lane Avenue
<i>Instructor in German</i>	
ALBERT PAUL WEISS.....	100 East Norwich Avenue
<i>Instructor in Psychology</i>	
†HENRY B. FRONING.....	79 East Frambes Avenue
<i>Instructor in Bacteriology</i>	
JACOB A. FOUST.....	145 West Frambes Avenue
<i>Instructor in Forging</i>	
ALEXANDER P. MOORE.....	90 Fourteenth Avenue
<i>Instructor in Romance Languages</i>	
†E. C. SMITH.....	79 East Frambes Avenue
<i>Instructor in Metallurgy</i>	
ROY A. BROWN.....	407 Seventeenth Avenue
<i>Instructor in Electrical Engineering</i>	
WILLIAM HISLOP .....	294 West Tenth Avenue
<i>Instructor in Animal Husbandry</i>	
GILBERT GUSLER .....	1606 Neil Avenue
<i>Instructor in Animal Husbandry</i>	
MARTHA GUERIN ELDEN.....	1734 Summit Street
<i>Acting Instructor in Ancient Art</i>	
J. FORREST CRAIG.....	1273 Summit Street
<i>Instructor in English</i>	
AUBREY I. BROWN.....	92 Chittenden Avenue
<i>Instructor in Mechanical Engineering</i>	
MARIAN LUCAS GARVIN.....	116 Norwich Avenue
<i>Instructor in Home Economics</i>	
ULYSSES W. DENMAN.....	505 Chilcote Avenue
<i>Assistant in Pattern-Making</i>	
ADOLPH FEIEL .....	520 East Main Street
<i>Assistant in Anatomy and Physiology</i>	
HORTENSE RICKARD .....	333 West Tenth Avenue
<i>Assistant in Mathematics</i>	



HOWARD E. BOUCHER.....	862 Mt. Vernon Avenue
<i>Assistant in Anatomy and Physiology</i>	
JESSE E. DAY.....	309 King Avenue
<i>Assistant in Chemistry</i>	
DORA SAUER .....	24 Stewart Avenue
<i>Assistant in Physical Education</i>	
JOHN J. BRECKUR.....	32 East Woodruff Avenue
<i>Assistant in Founding</i>	
ROBERT E. SMITH.....	Westerville, Ohio
<i>Assistant in Woodworking</i>	
MALCOLM C. SEWELL.....	181 West Eighth Avenue
<i>Assistant in Agronomy</i>	
MALON YODER .....	120 West Tenth Avenue
<i>Assistant in Agronomy</i>	
OTTO W. PFLUEGER.....	922 Studer Avenue
<i>Assistant in Forestry</i>	
R. M. MOODY .....	65 West Eighth Avenue
<i>Assistant in Electrical Engineering</i>	
HOMER D. HOLLER.....	1672 Summit Street
<i>Assistant in Chemistry</i>	
R. C. HUMMELL.....	139 West Ninth Avenue
<i>Assistant in Chemistry</i>	
EDWARD SCHMIDT.....	75 W. Tenth Avenue
<i>Assistant in Chemistry</i>	
J. B. DICKSON.....	137 East Seventh Avenue
<i>Assistant in Chemistry</i>	
SARAH E. STIMMEL.....	20 West Tenth Avenue
<i>Assistant in Home Economics</i>	
GRACE G. WALKER.....	53 Chittenden Avenue
<i>Assistant in Home Economics</i>	
MABELLE ROGERS.....	1705 North Fourth Street
<i>Assistant in Home Economics</i>	
LILA SKINNER.....	1705 North Fourth Street
<i>Assistant in Home Economics</i>	
ROBERT H. NEILAN.....	66 West Tenth Avenue
<i>Assistant in Mechanical Engineering</i>	

ALVAH W. SMITH.....	151 West Ninth Avenue
<i>Assistant in Physics</i>	
JOSEPH P. HERSHBERGER, JR.....	211 West Eleventh Avenue
<i>Assistant in Agronomy</i>	
ELMER HOCKETT.....	83 West Lane Avenue
<i>Assistant in Chemistry</i>	
JAMES R. WILEY.....	1606 Neil Avenue
<i>Assistant in Animal Husbandry</i>	
CLAYTON L. LONG.....	1467 Pennsylvania Avenue
<i>Assistant in Horticulture</i>	
EARL W. MCCOY.....	24 East Frambes Avenue
<i>Assistant in Civil Engineering</i>	
W. A. PRICE.....	17 Sixteenth Avenue
<i>Assistant in Zoology and Entomology</i>	
R. B. WILDERMUTH.....	1928 North High Street
<i>Assistant in German</i>	
MAX WERSHOW.....	Veterinary Clinic Building
<i>Assistant in Veterinary Medicine</i>	
PERRY L. WRIGHT.....	35 West Lane Avenue
<i>Assistant in Forging</i>	
GUTHRIE O. BURRELL.....	125 Hubbard Avenue
<i>Assistant in Anatomy and Physiology</i>	
RALPH B. WILSON.....	2554 North High Street
<i>Assistant in Economics</i>	
*D. D. SHIRA.....	101 Hubbard Avenue
<i>Assistant in Anatomy and Physiology</i>	
HARRIET N. TOWNSHEND.....	53 West Eleventh Avenue
<i>Assistant in Library</i>	
MAUD DOROTHY JEFFREY.....	161 Fourteenth Avenue
<i>Reference Librarian</i>	
GERTRUDE STOWELL KELLICOTT.....	1720 Summit Street
<i>Accession Librarian</i>	
CHARLES W. REEDER.....	2172 Indianola Avenue
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BLANCHE L. SEIPEL.....	312 West Seventh Avenue
<i>Catalogue Assistant</i>	



DONALD LEIDIGH.....	47 King Avenue
<i>Accession Assistant</i>	
BERTHA M. SCHNEIDER.....	1404 Wesley Avenue
<i>Head Cataloguer</i>	
ALICE G. STEPHENS.....	101 Twelfth Avenue
<i>Cataloguer</i>	
ALICE D. MCKEE.....	84 West Fifth Avenue
<i>Cataloguer</i>	
ALICE L. MORRIS.....	241 West Eighth Avenue
<i>Library Assistant</i>	
LOUISE F. SCHOENEWEIS.....	910 South High Street
<i>Library Assistant</i>	
JUSTUS H. DICE.....	124 West Tenth Avenue
<i>Reference Assistant</i>	
NELSON MCCOMBS.....	825 Franklin Avenue
<i>Library Assistant</i>	
L. BERNICE BROWN.....	82 East Eleventh Avenue
<i>Library Assistant</i>	
ROGER B. MORROW.....	78 North Ohio Avenue
<i>Night Assistant in Library</i>	
ROY HABER.....	160 West Ninth Avenue
<i>Night Assistant in Library</i>	
CLAUDE P. MCNEIL.....	102 Chittenden Avenue
<i>Fellow in Chemistry</i>	
ETHEL MORRIS.....	208 West Eighth Avenue
<i>Fellow in English</i>	
EDWARD C. HYTREE.....	60 Fourteenth Avenue
<i>Fellow in Chemistry</i>	
EVA M. CAMPBELL.....	1975 Indianola Avenue
<i>Fellow in English</i>	
E. BASIL HAWES.....	207 West Eighth Avenue
<i>Fellow in Agricultural Chemistry</i>	
CARL JOHN DRAKE.....	128 West Tenth Avenue
<i>Fellow in Zoology and Entomology</i>	
CARLETON E. CURRAN.....	1557 Hunter Street
<i>Fellow in Chemistry</i>	

VERONA M. DOLLINGER.....	34 West Frambes Avenue
<i>Fellow in English</i>	
MARY BLANCHE HOWE.....	107 West Eleventh Avenue
<i>Fellow in Zoology and Entomology.</i>	
ROBERT M. SALTER.....	70 West Woodruff Avenue
<i>Fellow in Agricultural Chemistry</i>	
FREDERICK J. SALTER.....	43 Chittenden Avenue
<i>Fellow in Agricultural Chemistry</i>	
CHARLES R. PARKINSON.....	397 Seventeenth Avenue
<i>Fellow in Chemistry</i>	
GERTRUDE L. ROBINSON.....	Worthington, Ohio
<i>Fellow in English</i>	
WALTER W. PLOCH.....	17 Sixteenth Avenue
<i>Fellow in English</i>	
KATHRYN M. ROESER.....	169 West Tenth Avenue
<i>Fellow in English</i>	
RAY R. ROBINSON.....	1627 Highland Street
<i>Fellow in Geology</i>	
WAHNITA DELONG .....	169 West Tenth Avenue
<i>Fellow in English</i>	
LEE I. SMITH.....	1342 East Fulton Street
<i>Fellow in Chemistry</i>	
C. R. McCROSKY.....	60 Fourteenth Avenue
<i>Fellow in Chemistry</i>	
A. E. SANTSCHI.....	367 West Tenth Avenue
<i>Fellow in Physics</i>	
ERNEST SIEGFRIED .....	1342 East Fulton Street
<i>Fellow in English</i>	
ROY F. SOMMER.....	127 West Eighth Avenue
<i>Fellow in Physics</i>	
NELLIE SWARTZEL .....	191 West Eighth Avenue
<i>Fellow in Agricultural Chemistry</i>	
CLIFFORD C. WATERHOUSE.....	56 West Patterson Avenue
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BEULAH L. WARDELL.....	75 West Eleventh Avenue
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- MARGUERITE ICKES .....1814 North High Street  
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- MARY E. KLINE.....180 West Fifth Avenue  
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- BLANCHE MCAVOY .....1866½ North High Street  
*Fellow in Botany*
- F. H. LATHROP.....1612 Highland Street  
*Fellow in Zoology and Entomology*
- EMILY MARIE DIETZ.....69 Eighteenth Avenue  
*Fellow in Psychology*
- A. A. BENEDICT.....1627 Highland Street  
*Fellow in Physics*
- HOWARD L. DUNLAP.....133 West Tenth Avenue  
*Fellow in Chemistry*
- ISAAC W. GEIGER.....141 West Eleventh Avenue  
*Fellow in Chemistry*
- EMMA E. ROWER.....1975 Indianola Avenue  
*Fellow in English*
- ALBERT R. SHADLE.....1265 South High Street  
*Fellow in Zoology and Entomology*
- CHARLES G. DISHONG.....75 West Tenth Avenue  
*Fellow and Assistant in English*
- GEBHARD STEGEMAN .....107 West Eleventh Avenue  
*Fellow in Chemistry*
- RALPH REO MURPHY.....239 West Tenth Avenue  
*Fellow and Assistant in Latin*
- ESTELLA H. NEIGHBOR.....19½ East Eleventh Avenue  
*Fellow in English*
- EVELYN OSBORN .....485 King Avenue  
*Fellow in Zoology and Entomology*
- HELEN MORNINGSTAR .....1275 Franklin Avenue  
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- THOMAS E. MOORE.....1464 Highland Street  
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IRA C. CALLANDER.....	103 West Ninth Avenue
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LANDIS H. BRUBAKER.....	80 East Lane Avenue
<i>Student Assistant in Mechanics</i>	
THEO. H. PYLE.....	317 West Tenth Avenue
<i>Student Assistant in Engineering Drawing</i>	
LILLIAN E. HUMPHREY.....	1866½ North High Street
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JOHN E. NORMAN.....	71 West Ninth Avenue
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J. C. BOWMAN.....	78 West Norwich Avenue
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\* Part time.



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- CLARK S. WHEELER.....31 Twelfth Avenue  
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- HELEN SCOTT .....57 West Tenth Avenue  
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- MAUD OKEY .....297 West Tenth Avenue  
*Assistant in Home Economics—Agricultural Extension*
- TREVA KAUFFMAN .....297 West Tenth Avenue  
*Assistant in Home Economics—Agricultural Extension*
- MARY BETZ .....1734 Summit Street  
*Assistant in Home Economics—Agricultural Extension*
- LAURA ANDERSON .....297 West Tenth Avenue  
*Assistant in Home Economics—Agricultural Extension*

## FACULTY

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The instructional force of the University for the year ending June 30, 1914, was classified as follows: President, 1; Emeritus President and Professor, 1; Emeritus Professors, 3; Professors, 101; Associate Professors, 9; Assistant Professors, 51; Instructors, 56; Assistants, 34; Fellows, 44; Student Assistants, 18; High School Visitors, 2; Curator, 1; Total, 321.

The Library staff: Librarian, 1; Assistants, 16.

The titles and compensation of members of the Faculty and of other officer and employees of the University are given in the following statement.



## APPENDIX IV.

In compliance with Section 7 of the Organic Act, passed by the legislature of Ohio, May 1, 1878 (Bates' Annotated Statutes, Sec. 4105-42), which requires the list of "the number of professors, officers, teachers and other employees, and the compensation of each, to be annually reported," the following report is submitted:

Name of Employee.	Position.	Salary.
William Oxley Thompson.	President .....	\$7,000 00
Alfred Vivian .....	Professor of Agricultural Chemistry..	3,000 00
John F. Lyman.....	Associate Professor of Agricultural Chemistry .....	1,800 00
Thomas G. Phillips.....	Instructor in Agricultural Chemistry..	1,000 00
E. Basil Hawes.....	Fellow in Agricultural Chemistry.....	300 00
F. J. Salter.....	Fellow in Agricultural Chemistry.....	300 00
R. M. Salter.....	Fellow in Agricultural Chemistry.....	300 00
Nellie Swartzel .....	Fellow in Agricultural Chemistry.....	300 00
Arthur G. McCall.....	Professor in Agronomy.....	2,200 00
H. C. Ramsower.....	Professor of Rural Engineering.....	2,000 00
George Livingston .....	Assistant Professor of Agronomy.....	1,200 00
Malcolm Sewell .....	Assistant in Agronomy (part time)...	400 00
Malon Yoder .....	Assistant in Agronomy.....	600 00
Jos. P. Hershberger.....	Assistant in Agronomy (part time)...	500 00
John T. Miller.....	Mechanic .....	600 00
Charles S. Plumb.....	Professor in Animal Husbandry.....	2,000 00
Freeman S. Jacoby.....	Assistant Professor of Poultry Husbandry .....	1,500 00
D. J. Kays.....	Assistant Professor of Animal Husbandry .....	2,000 00
William Hislop .....	Instructor in Animal Husbandry.....	1,500 00
Gilbert Gusler .....	Instructor in Animal Husbandry.....	1,500 00
James R. Wiley.....	Assistant in Animal Husbandry.....	1,000 00
D. M. Fyffe.....	Superintendent of Live Stock.....	1,200 00
James A. King.....	Assistant in Farm Engineering (Winter Course) .....	400 00
O. H. Pollock.....	Assistant in Animal Husbandry (Winter Course) .....	300 00
J. C. Hedge.....	Assistant in Dairying (Winter Course)	300 00
B. B. Herrick.....	Assistant in Butter-making (Winter Course) .....	100 00
Fred Nobs .....	Assistant in Cheese-making (Winter Course) .....	150 00
Malcolm Sewell .....	Assistant in Agronomy (Winter Course)	100 00
J. H. Schaffner.....	Professor of Botany.....	2,250 00
R. F. Griggs.....	Assistant Professor of Botany.....	1,500 00
A. Dachnowski .....	Assistant Professor of Botany.....	1,700 00
Freda Detmers .....	Instructor in Botany.....	1,300 00
W. G. Stover.....	Instructor in Botany.....	1,400 00
Blanche McAvoy .....	Fellow in Botany.....	300 00
Rose Gormley .....	Student Assistant in Botany.....	150 00
Lillian E. Humphrey.....	Student Assistant in Botany.....	150 00
F. B. H. Brown.....	Florist .....	600 00
Oscar Erf .....	Professor of Dairying.....	2,500 00
O. C. Cunningham.....	Assistant Professor of Dairying.....	1,700 00
W. L. Clevenger.....	Instructor in Butter-Making.....	1,500 00
Robert B. Stoltz.....	Instructor in Dairying.....	1,000 00

Name of Employee.	Position.	Salary.
W. R. Lazenby.....	Professor of Forestry.....	2,500 00
Norman E. Scherer.....	Assistant Professor of Forestry.....	1,500 00
Otto W. Pflueger.....	Assistant in Forestry.....	900 00
Edna N. White.....	Professor of Home Economics.....	2,100 00
Anna F. Blohm.....	Instructor in Home Economics.....	1,800 00
Maude C. Hathaway.....	Instructor in Home Economics.....	1,200 00
Anna R. Van Meter.....	Assistant Professor of Home Economics.....	1,500 00
Sarah Stimmel.....	Assistant in Home Economics.....	750 00
Grace G. Walker.....	Assistant in Home Economics.....	750 00
Mabelle Rogers.....	Assistant in Home Economics.....	750 00
Lila Skinner.....	Assistant in Home Economics.....	750 00
Marian Lucas Garvin.....	Instructor in Home Economics (part time).....	510 00
Cora Elliott.....	Maid.....	375 00
Wendell Paddock.....	Professor of Horticulture.....	2,750 00
V. H. Davis.....	Assistant Professor of Horticulture.....	1,800 00
L. M. Montgomery.....	Assistant Professor of Horticulture.....	1,800 00
Clayton Long.....	Assistant in Horticulture.....	600 00
J. Warren Smith.....	Professor of Meteorology.....	500 00
*Homer C. Price.....	Professor of Rural Economics and Dean of the College of Agriculture (4½ months).....	1,874 97
Thomas D. Phillips.....	Instructor in Rural Economics.....	1,200 00
Verle C. Smith.....	Assistant to the Dean (part time).....	1,250 00
A. E. Smith.....	Farm Foreman (part time).....	1,083 30
Herbert Osborn.....	Professor of Zoology and Entomology.....	2,750 00
F. L. Landacre.....	Professor of Zoology and Entomology.....	2,000 00
J. S. Hine.....	Associate Professor of Zoology and Entomology.....	1,600 00
W. M. Barrows.....	Assistant Professor of Zoology and Entomology.....	1,600 00
W. J. Kostir.....	Instructor in Zoology and Entomology.....	1,000 00
C. J. Drake.....	Fellow in Zoology and Entomology.....	300 00
Marguerite Ickes.....	Fellow in Zoology and Entomology.....	300 00
F. H. Lathrop.....	Fellow in Zoology and Entomology.....	300 00
Evelyn Osborn.....	Fellow in Zoology and Entomology.....	300 00
A. R. Shadle.....	Fellow in Zoology and Entomology.....	300 00
Mary Blanche Howe.....	Fellow in Zoology and Entomology.....	300 00
W. A. Price.....	Fellow in Zoology and Entomology.....	300 00
William Bauchmiller.....	Student Assistant in Zoology and Entomology (part time).....	45 00
V. R. Haber.....	Student Assistant in Zoology and Entomology (part time).....	45 00
George W. Knight.....	Professor of American History.....	3,000 00
H. C. Hockett.....	Professor of American History.....	2,000 00
A. M. Schlesinger.....	Instructor in American History.....	1,000 00
Mary English.....	Student Assistant in American History.....	150 00
Eugene H. Roseboom.....	Student Assistant in American History.....	150 00
A. M. Bleile.....	Professor of Anatomy and Physiology.....	2,750 00
R. J. Seymour.....	Associate Professor of Anatomy and Physiology.....	1,700 00
E. P. Durrant.....	Assistant Professor of Anatomy and Physiology.....	1,400 00
Edgar M. Allen.....	Instructor in Anatomy and Physiology.....	1,000 00
Adolph Feiel.....	Assistant in Anatomy and Physiology.....	400 00
H. E. Boucher.....	Assistant in Anatomy and Physiology (part time).....	175 00
G. O. Burrell.....	Assistant in Anatomy and Physiology.....	250 00

\* Member Agricultural Commission. Balance of salary paid by Commission



Name of Employee.	Position.	Salary.
J. L. Busby.....	Assistant in Anatomy and Physiology (part time) .....	75 00
Don F. Russell.....	Assistant in Anatomy and Physiology (part time) .....	100 00
D. D. Shira.....	Assistant in Anatomy and Physiology (part time) .....	150 00
C. B. Morrey.....	Professor of Bacteriology.....	2,750 00
W. A. Starin.....	Assistant Professor of Bacteriology.....	1,700 00
A. M. Jansen.....	Instructor in Bacteriology (part time) ..	600 00
Henry B. Froning.....	Instructor in Bacteriology (part time) ..	500 00
Charles J. Huinagel.....	Fellow in Bacteriology.....	300 00
Vera McCoy.....	Student Assistant in Bacteriology.....	300 00
J. E. Hagerty.....	Professor of Economics and Sociology..	2,000 00
*M. B. Hammond.....	Professor of Economics and Sociology.....	2,000 00
F. A. McKenzie.....	Professor of Economics and Sociology.....	2,000 00
O. C. Lockhart.....	Professor of Economics and Sociology.....	2,000 00
C. C. Huntington.....	Professor of Economics and Sociology.....	2,000 00
Clyde O. Ruggles.....	Assistant Professor of Economics and Sociology .....	2,000 00
Stockton Raymond .....	Assistant Professor of Economics and Sociology (part time).....	120 00
Carl E. Parry.....	Assistant Professor of Economics and Sociology .....	1,500 00
Henry F. Walradt.....	Assistant Professor of Economics and Sociology .....	1,400 00
Beatrice Sheets .....	Instructor in Economics and Sociology..	1,400 00
Emilie C. Renz.....	Instructor in Economics and Sociology (part time) .....	990 00
Ralph B. Wilson.....	Assistant in Economics and Sociology..	600 00
Walter C. Weidler.....	Fellow in Economics and Sociology.....	300 00
Gould Leach Harris.....	Student Assistant in Economics and Sociology (part time).....	240 00
Otto F. Wilkinson.....	Student Assistant in Economics and Sociology (part time).....	195 00
J. V. Denney.....	Professor of English and Dean of the College of Arts, Philosophy and Science .....	3,250 00
J. R. Taylor.....	Professor of English.....	2,400 00
G. H. McKnight.....	Professor of English.....	2,000 00
W. L. Graves.....	Professor of English.....	2,000 00
C. S. Duncan.....	Professor of English.....	2,000 00
L. A. Cooper.....	Assistant Professor of English.....	1,500 00
E. L. Beck.....	Assistant Professor of English.....	1,500 00
H. F. Harrington.....	Assistant Professor of English.....	1,500 00
V. A. Ketcham.....	Assistant Professor of English.....	1,500 00
J. Forest Craig.....	Instructor in English.....	1,000 00
Charles G. Dishong.....	Fellow and Assistant in English.....	600 00
Estella Neighbor .....	Fellow in English.....	300 00
Verona Dollinger .....	Fellow in English.....	300 00
Eva M. Campbell.....	Fellow in English.....	300 00
Kathryn M. Roeser.....	Fellow in English.....	300 00
Ethel Morris .....	Fellow in English.....	300 00
Ernest Siegfried .....	Fellow in English.....	300 00
Gertrude L. Robinson.....	Fellow in English.....	300 00
W. W. Ploch.....	Fellow in English.....	300 00
Helen Morningstar .....	Fellow in English.....	300 00
Wahnita DeLong .....	Fellow in English.....	300 00
Emma Rower .....	Fellow in English.....	300 00
Beulah Wardell .....	Fellow in English.....	300 00

\* Member Industrial Commission.

Name of Employee.	Position.	Salary.
W. H. Siebert.....	Professor of European History.....	2,750 00
E. H. McNeal.....	Professor of European History.....	2,000 00
Clarence Perkins .....	Assistant Professor of European History.....	1,800 00
Wilmer C. Harris.....	Instructor in European History.....	1,000 00
C. S. Prosser.....	Professor of Geology.....	2,750 00
J. A. Bownocker.....	Professor of Inorganic Geology and Curator of Museum.....	2,300 00
Thos. McD. Hills.....	Assistant Professor of Geology.....	1,500 00
Walter A. Verweibe.....	Instructor in Geology.....	1,000 00
Clara G. Mark.....	Instructor in Geology (part time).....	850 00
Ray R. Robinson.....	Fellow in Geology (part time).....	210 00
Kenneth Cottingham .....	Fellow in Geology (part time).....	90 00
M. B. Evans.....	Professor of German.....	2,750 00
B. A. Eisenlohr.....	Professor of German.....	2,000 00
May Thomas .....	Assistant Professor of German.....	1,400 00
Ludwig Lewisohn .....	Assistant Professor of German.....	1,700 00
R. O. Buscy.....	Assistant Professor of German.....	1,500 00
Sarah Barrows .....	Assistant Professor of German.....	1,400 00
H. C. Keidel.....	Instructor in German.....	1,200 00
Theodore F. Kotz.....	Instructor in German.....	1,000 00
R. B. Wildermuth.....	Assistant in German.....	500 00
*J. R. Smith.....	Professor of Greek (part time).....	2,250 00
R. V. Schmitt.....	Acting Professor of Greek (part time).....	700 00
Martha G. Elden (Mrs.)..	Acting Instructor in Greek (part time).....	200 00
S. C. Derby.....	Professor of Latin.....	2,000 00
A. W. Hodgman.....	Professor of Latin.....	2,100 00
W. S. Elden.....	Professor of Latin.....	2,100 00
Ralph R. Murphy.....	Assistant and Fellow in Latin.....	600 00
J. A. Leighton.....	Professor of Philosophy.....	2,750 00
A. E. Davies.....	Professor of Philosophy.....	2,000 00
H. R. Spencer.....	Professor of Political Science.....	2,500 00
F. W. Coker.....	Assistant Professor of Political Science.....	1,800 00
B. L. Bowen.....	Professor of Romance Languages.....	2,750 00
C. A. Bruce.....	Professor of Romance Languages.....	2,000 00
E. S. Ingraham.....	Professor of Romance Languages.....	2,000 00
T. E. Hamilton.....	Assistant Professor of Romance Lan- guages .....	1,500 00
G. S. Chapin.....	Assistant Professor of Romance Lan- guages .....	1,400 00
H. F. Dunham.....	Instructor in Romance Languages.....	1,000 00
O. F. Bond.....	Instructor in Romance Languages.....	1,000 00
J. K. Ditchy.....	Instructor in Romance Languages.....	1,000 00
Alexander P. Moore.....	Instructor in Romance Languages.....	1,200 00
Margaret S. F. Dachnowski	Instructor in Art.....	1,500 00
Alice Robinson.....	Instructor in Art.....	1,200 00
Mary Louise Shepherd....	Instructor in Art.....	1,000 00
F. P. Graves.....	Professor of History and Philosophy of Education (part time).....	550 00
C. F. Lavell.....	Professor of History and Philosophy of Education (part time).....	300 00
A. R. Mead.....	Instructor in History and Philosophy of Education (part time).....	400 00
Eldon L. Usry.....	Assistant Professor of Manual Training.....	1,800 00
T. S. Lowden.....	Associate Professor of Principles and Practice of Education.....	1,800 00
D. R. Major.....	Professor of Psychology.....	2,500 00
†Thomas H. Haines.....	Professor of Psychology.....	2,500 00
George F. Arps.....	Professor of Psychology.....	2,500 00
Rudolph Pintner .....	Instructor in Psychology.....	1,600 00

\* Died Feb. 15, 1914. † On leave, 1913-14.



Name of Employee.	Position.	Salary.
A. P. Weiss.....	Instructor in Psychology.....	1,200 00
Emily M. Dietz.....	Fellow in Psychology (part time).....	180 00
W. W. Boyd.....	Professor of School Administration and Dean of the College of Education....	3,000 00
G. A. Bricker.....	Assistant Professor of Agricultural Education .....	1,750 00
J. N. Bradford.....	Professor of Architecture.....	1,200 00
C. St. J. Chubb.....	Professor of Architecture.....	2,000 00
F. H. Haskett.....	Instructor in Architecture.....	1,500 00
Wilbert C. Ronan.....	Instructor in Architecture.....	1,000 00
H. C. Lord.....	Professor of Astronomy.....	2,750 00
E. S. Manson, Jr.....	Associate Professor of Astronomy.....	1,700 00
Edward Orton, Jr.....	Professor of Ceramic Engineering and Dean of the College of Engineering...	3,250 00
Arthur S. Watts.....	Professor of Ceramic Engineering.....	3,000 00
Carl B. Harrop.....	Assistant Professor of Ceramic Engi- neering .....	1,500 00
J. C. Lysatt.....	Technician .....	600 00
S. A. Norton.....	Emeritus Professor of Chemistry.....	1,250 00
William McPherson .....	Professor of Chemistry and Dean of the Graduate School.....	3,250 00
W. E. Henderson.....	Professor of Inorganic and Physical Chemistry .....	2,500 00
C. W. Foulk.....	Professor of Analytical Chemistry.....	2,100 00
W. L. Evans.....	Professor of Chemistry.....	2,500 00
J. R. Withrow.....	Professor of Chemistry.....	2,250 00
Charles Ford Long.....	Assistant Professor of Chemistry.....	1,500 00
C. E. Boord.....	Instructor in Chemistry.....	1,200 00
J. E. Day.....	Assistant in Chemistry.....	700 00
Elmer Hockett .....	Assistant in Chemistry.....	700 00
H. D. Holler.....	Assistant in Chemistry.....	700 00
J. B. Dickson.....	Assistant in Chemistry.....	700 00
R. C. Hummell.....	Assistant in Chemistry.....	700 00
Edward Schmidt .....	Assistant in Chemistry.....	700 00
E. C. Hytree.....	Fellow in Chemistry.....	300 00
C. R. McCrosky.....	Fellow in Chemistry.....	300 00
C. P. McNeil.....	Fellow in Chemistry.....	300 00
C. R. Parkinson.....	Fellow in Chemistry.....	300 00
Lee I. Smith.....	Fellow in Chemistry.....	300 00
G. Stegeman .....	Fellow in Chemistry.....	300 00
C. C. Waterhouse.....	Fellow in Chemistry.....	300 00
Howard L. Dunlap.....	Fellow in Chemistry.....	300 00
Lloyd Copeland .....	Fellow in Chemistry (part time).....	80 00
Thomas E. Moore.....	Fellow in Chemistry.....	300 00
C. E. Curran.....	Fellow in Chemistry.....	300 00
I. W. Geiger.....	Fellow in Chemistry.....	300 00
Mary E. Kline.....	Fellow in Chemistry.....	300 00
C. E. Sherman.....	Professor of Civil Engineering.....	2,500 00
F. H. Eno.....	Professor of Municipal Engineering....	2,250 00
C. T. Morris.....	Professor of Structural Engineering...	3,000 00
R. K. Schlafly.....	Assistant Professor of Civil Engineering	1,700 00
W. S. Hindman.....	Assistant Professor of Civil Engineering	1,500 00
G. F. Schlesinger.....	Instructor in Civil Engineering.....	1,200 00
Roscoe C. Sloane.....	Instructor in Civil Engineering.....	1,200 00
Earl W. McCoy.....	Assistant in Civil Engineering.....	750 00
F. C. Caldwell.....	Professor of Electrical Engineering....	2,500 00
A. E. Flowers.....	Professor of Electrical Engineering....	2,000 00
J. E. Shepardson.....	Instructor in Electrical Engineering....	1,100 00
R. A. Brown.....	Instructor in Electrical Engineering....	1,100 00
R. M. Moody.....	Assistant in Electrical Engineering....	700 00
W. R. Alexander.....	Machinist .....	1,020 00

Name of Employee.	Position.	Salary.
Elton W. Carlisle.....	Machinist's Helper .....	480 00
Thomas E. French.....	Professor of Engineering Drawing.....	3,000 00
Robert Meiklejohn .....	Assistant Professor of Engineering Drawing .....	1,700 00
A. C. Harper.....	Instructor in Engineering Drawing.....	1,300 00
O. E. Williams.....	Instructor in Engineering Drawing.....	1,400 00
Cree Sheets .....	Instructor in Engineering Drawing.....	1,400 00
F. W. Ives.....	Instructor in Engineering Drawing.....	1,300 00
Wm. D. Turnbull.....	Instructor in Engineering Drawing.....	1,300 00
W. J. Norris.....	Instructor in Engineering Drawing.....	800 00
E. J. Gilbert.....	Instructor in Engineering Drawing.....	1,100 00
Theo. H. Pyle.....	Student Assistant in Engineering Draw- ing .....	300 00
F. E. Sanborn.....	Professor of Industrial Arts.....	2,200 00
W. A. Knight.....	Associate Professor of Machine Shop Practice .....	1,600 00
C. M. Beem.....	Instructor in Pattern-Making and Founding .....	1,300 00
A. A. Case.....	Instructor in Vise-Work.....	1,210 00
J. A. Foust.....	Instructor in Forging.....	1,050 00
U. W. Denman.....	Assistant in Pattern-Making and Found- ing .....	990 00
Robert E. Smith.....	Assistant in Wood-working.....	800 00
John J. Breckur.....	Assistant in Founding.....	880 00
Perry L. Wright.....	Assistant in Forging (part time).....	680 00
R. D. Bohannon.....	Professor of Mathematics.....	2,750 00
G. W. McCoard.....	Professor of Mathematics.....	1,800 00
K. D. Swartzel.....	Professor of Mathematics.....	2,200 00
H. W. Kuhn.....	Professor of Mathematics.....	2,200 00
S. E. Rasor.....	Professor of Mathematics.....	1,800 00
C. L. Arnold.....	Associate Professor of Mathematics.....	1,600 00
C. C. Morris.....	Assistant Professor of Mathematics.....	1,600 00
J. B. Preston.....	Assistant Professor of Mathematics.....	1,500 00
Grace Bareis .....	Assistant Professor of Mathematics.....	1,300 00
C. J. West.....	Assistant Professor of Mathematics.....	1,500 00
Hortense Rickard .....	Assistant in Mathematics.....	700 00
William T. Magruder.....	Professor of Mechanical Engineering.....	2,750 00
F. W. Marquis.....	Professor of Steam Engineering.....	2,500 00
Horace Judd .....	Associate Professor of Experimental Engineering .....	1,700 00
A. I. Brown.....	Instructor in Mechanical Engineering.....	1,000 00
R. H. Neilan.....	Assistant in Mechanical Engineering.....	750 00
Fred G. Tarbox.....	Student Assistant in Mechanical Engi- neering .....	300 00
J. J. Davis.....	Machinist .....	1,020 00
Roy Pratt .....	Machinist's Helper .....	840 00
J. E. Boyd.....	Professor of Mechanics.....	2,500 00
E. F. Coddington.....	Professor of Mechanics.....	2,400 00
L. H. Brubaker.....	Student Assistant in Mechanics.....	300 00
E. E. Sommermeier.....	Professor of Metallurgy.....	1,850 00
D. J. Demorest.....	Professor of Metallurgy.....	2,000 00
E. C. Smith.....	Instructor in Metallurgy (2nd semester)	500 00
F. A. Ray.....	Professor of Mine Engineering.....	2,000 00
Wells H. Minor.....	Assistant Professor of Mine Engineer- ing .....	1,800 00
Ira C. Callendar.....	Student Assistant in Mine Engineering.....	300 00
Charles W. Stafford.....	Student Assistant in Mine Engineering.....	300 00
H. G. Coon.....	Student Assistant in Mine Engineering (1st semester) .....	150 00
W. J. McCaughey.....	Assistant Professor of Mineralogy.....	1,800 00
A. D. Cole.....	Professor in Physics.....	3,000 00



Name of Employee.	Position.	Salary.
R. F. Earhart.....	Professor in Physics.....	2,000 00
F. C. Blake.....	Professor in Physics.....	2,000 00
S. J. Barnett.....	Professor in Physics.....	2,000 00
A. W. Smith.....	Assistant Professor of Physics.....	1,900 00
Charles Sheard.....	Assistant Professor of Physics.....	1,700 00
H. G. Heil.....	Instructor in Physics.....	1,200 00
Alva W. Smith.....	Assistant in Physics.....	700 00
Ray Sommer.....	Fellow in Physics.....	300 00
A. E. Santschi.....	Fellow in Physics.....	300 00
A. A. Benedict.....	Fellow in Physics.....	300 00
Arthur P. Freund.....	Mechanician.....	1,200 00
John J. Adams.....	Professor of Law and Dean of the College of Law.....	5,000 00
W. H. Page.....	Professor of Law.....	2,000 00
George W. Rightmire.....	Professor of Law.....	3,000 00
A. H. Tuttle.....	Professor of Law.....	3,000 00
W. B. Cockley.....	Assistant Professor of Law.....	2,000 00
C. E. Blanchard.....	Assistant Professor of Law.....	1,800 00
J. A. Shauck.....	Professor of Law.....	1,000 00
E. B. Dillon.....	Professor of Law.....	800 00
E. B. Kinkead.....	Professor of Law.....	800 00
G. B. Kauffman.....	Professor of Pharmacy and Dean of the College of Pharmacy.....	2,000 00
C. A. Dye.....	Professor of Pharmacy.....	2,000 00
Edward Spease.....	Instructor in Pharmacy.....	1,500 00
J. C. Bowman.....	Student Assistant in Pharmacy.....	400 00
J. E. Norman.....	Student Assistant in Pharmacy.....	300 00
D. S. White.....	Professor of Veterinary Medicine and Dean of the College of Veterinary Medicine.....	3,000 00
S. Sisson.....	Professor of Comparative Anatomy.....	3,000 00
O. V. Brumley.....	Professor of Veterinary Surgery.....	2,750 00
A. G. G. Richardson.....	Professor of Veterinary Pathology.....	2,500 00
J. H. Snook.....	Assistant Professor of Veterinary Sur- gery.....	1,900 00
F. A. Lambert.....	Assistant Professor of Comparative An- atomy.....	1,700 00
Ernest Scott.....	Assistant Professor of Pathology.....	750 00
J. N. Shoemaker.....	Assistant Professor of Veterinary Med- icine.....	1,500 00
Max Wershow.....	Assistant in Veterinary Medicine.....	780 00
R. E. Rebrassier.....	Clerk, Veterinary Hospital (part time)	56 67
Louis H. Smith.....	Clerk, Veterinary Hospital (part time)	43 33
Charles A. Hersom.....	Technician (part time).....	220 00
G. L. Converse.....	Professor of Military Science and Tac- tics.....	450 00
Gustav Bruder.....	Band Master.....	350 00
H. S. Wingert.....	Professor of Physical Education.....	2,750 00
Alice Littlejohn Goetz.....	Associate Professor of Physical Educa- tion.....	1,700 00
Henry C. Ohlson.....	Instructor in Physical Education.....	1,300 00
George H. Bartholomew.....	Instructor in Physical Education.....	1,200 00
Dora Sauer.....	Assistant in Physical Education.....	800 00
Elizabeth Courtney.....	Student Assistant in Physical Education	300 00
Lola Stout.....	Maid.....	360 00
Olive Jones.....	Librarian.....	2,000 00
Harriet N. Townshend.....	Assistant in Library.....	700 00
Gertrude S. Kellicott.....	Accession Librarian.....	1,320 00
Maud Jeffrey.....	Reference Librarian.....	1,320 00
Charles W. Reeder.....	Reference Librarian.....	1,145 00
Mirpah G. Blair.....	Head Cataloguer (part time).....	50 00

Name of Employee.	Position.	Salary.
Blanche L. Seipel.....	Cataloguing Assistant .....	720 00
Bertha M. Schneider.....	Head Cataloguer .....	1,020 00
Justice Howard Dice.....	Reference Assistant (part time).....	500 00
Donald Leidigh .....	Accession Assistant .....	720 00
Alice Morris .....	Library Assistant .....	700 00
Louise Schoeneweis .....	Library Assistant .....	850 00
Alice G. Stephens.....	Assistant Cataloguer .....	720 00
Alice D. McKee.....	Cataloguer .....	840 00
Nelson McCombs .....	Library Assistant .....	600 00
L. Berniece Brown.....	Library Assistant (part time).....	500 00
Roger B. Morrow.....	Night Assistant .....	300 00
Roy Haber .....	Night Assistant .....	300 00
Lillian Nippert .....	Library Assistant (part time).....	60 00
F. B. Pearson.....	High School Visitor.....	2,300 00
G. W. Twiss.....	High School Visitor.....	2,000 00
Caroline M. Breyfogle.....	Dean of Women.....	2,000 00
Katharine H. Duncan.....	Executive Clerk .....	1,500 00
Anna M. Long.....	Stenographer, President's Office (part time).....	165 00
Marie Bowman .....	Stenographer, President's Office (part time).....	141 67
Eva L. Long.....	Stenographer, President's Office (part time).....	304 34
Carl E. Steeb.....	Secretary of Board of Trustees and Business Manager .....	4,625 00
R. M. Royer.....	Assistant Purchasing Agent.....	1,900 00
Bess C. Watters.....	Cashier .....	1,140 00
Iane S. Haskett.....	Chief Clerk .....	960 00
Mary Kraus .....	Auditor .....	960 00
Clara Baker .....	Bookkeeper .....	900 00
Helen Zeller .....	Inventory Clerk .....	780 00
Louise Kraus .....	Assistant Bookkeeper .....	660 00
Maude Blue .....	Bill Clerk (part time).....	137 50
Ethel Gilkey .....	Bill Clerk (part time).....	450 00
Florence L. Sharp.....	Cost Clerk (part time).....	330 00
Marie Carroll .....	Cost Clerk (part time).....	332 00
Hazel Zeller .....	Clerk (part time).....	375 00
Katherine Vogel .....	Clerk (part time).....	150 00
F. O. Howell.....	Accountant (part time).....	350 00
Edith D. Cockins.....	Registrar .....	1,700 00
Lucy M. Taylor.....	Assistant in Registrar's Office.....	900 00
Clara Miller .....	Assistant in Registrar's Office.....	600 00
Marian Waters .....	Assistant in Registrar's Office.....	600 00
Helen M. Clarke.....	Assistant in Registrar's Office.....	720 00
W. E. Mann.....	Editor .....	1,800 00
Jessie B. Bush.....	Stenographer—Editor's Office .....	600 00
Mary J. Hunter.....	Stenographer and Proof-reader—Editor's Office (part time).....	316 67
Lester E. Wolfe.....	Secretary of Entrance Board.....	2,000 00
Isabel McNeal .....	Stenographer—Entrance Board .....	720 00
R. K. Schlafly.....	Chairman of Schedule Committee.....	360 00
F. E. Jones.....	Receiving Clerk .....	1,500 00
H. W. Brewer.....	Store-keeper .....	1,020 00
H. W. Miller.....	Assistant in Store Room.....	720 00
James Lawson .....	Checking Clerk .....	660 00
R. G. Wolf.....	Delivery Man (part time).....	275 00
Raymond Hicks .....	Delivery Man (part time).....	220 00
Blanche Sullivan .....	Store Clerk (part time).....	310 00
Willis Fichtelman .....	Porter .....	450 00
Nellie Copeland .....	Stenographer and Library Attendant—Townshend Hall .....	660 00



Name of Employee.	Position.	Salary.
W. Aimee Obaugh.....	Stenographer—Townshend Hall .....	660 00
Naomi Haber .....	Clerk—Townshend Hall (part time)...	332 50
Harriet Schneider .....	Stenographer—Page Hall .....	600 00
Ethel Althoff .....	Stenographer—University Hall .....	660 00
Bernice Blue .....	Stenographer—University Hall (part time) .....	110 00
Mina Kennedy .....	Stenographer—Hayes Hall .....	660 00
Candace H. Taylor.....	Stenographer—Robinson Laboratory (part time) .....	488 33
Nettie Shugert .....	Stenographer—Brown Hall .....	600 00
Louise Stickelmyer .....	Stenographer—Veterinary Laboratory (part time) .....	605 00
Frances B. Work.....	Stenographer—Entrance Board (part time) .....	475 00
Mary L. Lahmering.....	Stenographer—Lord Hall .....	660 00
Lenora Glasgow .....	Stenographer—College of Engineering..	605 00
Mary E. Thomas.....	Stenographer—Physics and Biological Halls .....	600 00
Corda C. Smith.....	Stenographer—Chemistry Building .....	600 00
John F. Madden.....	Clerk—Military Department .....	500 00
W. F. Felch.....	Clerk—Physical Education Department..	600 00
Charles E. Findlay.....	Clerk—Military Department .....	500 00
Arthur Van Meter.....	Library Attendant—Department of Eco- nomics and Sociology.....	300 00
Dora Hepner .....	Stenographer—Robinson Laboratory (part time) .....	375 00
Helen L. Bush.....	Stenographer—Judging Pavilion .....	600 00
Mary Powers .....	Matron .....	400 00
Wm. C. McCracken.....	Superintendent of Buildings & Grounds.	2,500 00
C. M. Dunbar.....	Clerk .....	720 00
W. B. Booth.....	Assistant Superintendent of Buildings and Grounds .....	1,500 00
R. C. Kaiser.....	Plumber .....	1,140 00
H. E. Truxall.....	Painter .....	960 00
E. Insko .....	Plumber's Helper .....	660 00
Charles M. Hicks.....	Inspector .....	840 00
E. J. Nutt.....	Janitor—Armory and Gymnasium.....	660 00
Richard Brandon .....	Janitor—Armory and Gymnasium.....	660 00
J. A. Bond.....	Janitor—Armory and Gymnasium.....	660 00
Robert Hall .....	Janitor—Biological Hall .....	690 00
G. C. Denny.....	Janitor—Botany and Horticulture Bldgs.	690 00
Stanley Porter .....	Student Janitor—Botanical Hall .....	125 00
W. M. Stahl.....	Janitor—Brown Hall .....	660 00
B. N. Lewis.....	Janitor—Brown and Physics Halls.....	660 00
D. W. Williams.....	Janitor—Chemistry Building .....	660 00
William Dachler .....	Janitor—Chemistry Building .....	660 00
William Spurgeon .....	Janitor—Townshend Hall .....	660 00
M. N. Cook.....	Janitor—Hayes Hall .....	660 00
Anna M. Miller.....	Janitress—Hayes Hall .....	450 00
Harry Chantler .....	Janitor—Library Building .....	690 00
John O'Rourke .....	Janitor—Library Building .....	660 00
O. E. Kiger.....	Janitor—Library Building .....	660 00
J. J. Weate.....	Janitor—Lord Hall .....	660 00
W. W. Whitmer.....	Janitor—Lord Hall .....	660 00
Paul M. Crider.....	Student Janitor—Observatory (part time) .....	62 50
Carl C. Lowe.....	Student Janitor—Observatory (part time) .....	237 50
S. A. Williams.....	Janitor—Orton Hall .....	660 00
Mrs. Lou Cornett.....	Janitress—Orton Hall .....	450 00
John W. Brown.....	Janitor—Page Hall .....	660 00

Name of Employee.	Position.	Salary.
Earl Conway .....	Janitor—University Hall .....	690 00
Oliver Smith .....	Janitor—Robinson Laboratory .....	660 00
R. M. Moore .....	Janitor—Robinson Laboratory .....	660 00
Fred Fleischer .....	Janitor—Townshend Hall .....	690 00
L. F. Jordan .....	Janitor—University Hall .....	660 00
J. W. DeWitte .....	Janitor—Physics Hall .....	660 00
Jack Gantz .....	Janitor—University Hall .....	660 00
B. F. Tallmadge .....	Janitor—Veterinary Clinic Building .....	690 00
G. W. Weygandt .....	Janitor—Veterinary Clinic Building .....	690 00
W. H. Walker .....	Janitor—Veterinary Clinic Building .....	550 00
E. L. Clements .....	Janitor—Veterinary Laboratory .....	690 00
Oscar Metze .....	Janitor—Veterinary Laboratory .....	660 00
E. B. Seaman .....	Janitor—Botany Building .....	300 00
W. R. Thomas .....	Janitor—Judging Pavilion .....	300 00
G. Miller .....	Janitor—Chemistry Building (part time) .....	522 50
M. S. Harvey .....	Elevator Man—University Hall .....	350 00
William North .....	Day Policeman .....	750 00
W. F. Mahaffey .....	Night Watchman .....	750 00
John T. Daniels .....	Night Watchman .....	750 00
H. S. Brown .....	Policeman (part time) .....	580 00
J. P. Covan .....	Master Mechanic .....	1,560 00
W. H. Case .....	Assistant Chief Engineer .....	1,080 00
Fred Brewer .....	Engineer .....	960 00
W. D. Hicks .....	Engineer .....	960 00
C. Ashenhurst .....	First Fireman .....	840 00
Samuel Lowery .....	Second Fireman .....	840 00
Otto Law .....	Third Fireman .....	840 00
A. O. Kaiser .....	Helper .....	780 00
F. H. Beck .....	Electrician .....	1,020 00
G. W. Dillihunt .....	Assistant Electrician .....	840 00
B. A. LeBay .....	Steam Fitter .....	960 00
I. C. Reasoner .....	Blacksmith .....	840 00
J. N. Bradford .....	University Architect .....	2,300 00
Ray Sims .....	Chief Draftsman .....	1,400 00
Coletta Kelly .....	Stenographer—University Architect's Office .....	600 00
A. B. Graham .....	Superintendent of Agricultural Extension .....	2,750 00
H. E. Eswine .....	Assistant in Agricultural Extension .....	1,200 00
Ruth M. James .....	Assistant in Agricultural Extension .....	1,200 00
C. S. Wheeler .....	Assistant in Agricultural Extension .....	1,600 00
George B. Crane .....	Agricultural Extension Editor .....	1,000 00
M. A. Bachtell .....	Instructor in Soil Fertility—Agricultural Extension .....	1,700 00
R. B. Cruickshank .....	Instructor in Horticulture in Agricultural Extension .....	1,800 00
W. H. Palmer .....	Instructor in Animal Husbandry in Agricultural Extension .....	1,600 00
Maud E. Okey .....	Assistant in Home Economics—Agricultural Extension (5 mo.) .....	500 00
Helen Scott .....	Assistant in Home Economics—Agricultural Extension (6 mo.) .....	750 00
Mary Betz .....	Assistant in Home Economics—Agricultural Extension (5 mo.) .....	500 00
Treva Kuuffman .....	Assistant in Home Economics—Agricultural Extension (6 mo.) .....	750 00
Laura Anderson .....	Assistant in Home Economics—Agricultural Extension (5 mo.) .....	500 00
Alice McMillan .....	Stenographer and Schedule Clerk—Agricultural Extension .....	720 00



Name of Employee.	Position.	Salary.
Luella Searle .....	Stenographer—Agricultural Extension..	540 00
Elizabeth Hopkins .....	Multigraph Operator and Stenographer.	360 00

## APPENDIX V.

## THE WORK OF INSTRUCTORS 1913-1914

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>AGRICULTURAL CHEMISTRY.</b>						
General Agricultural Chemistry.....	103	5	203	104	5	185
Applications of Chemistry to Agriculture.....	102	4	106	102	4	80
Advanced Soil Analysis.....	109	4	9	110	4	64
Winter Course Soil Fertility.....	105	4	7	106	4	175
Advanced Agricultural Analysis.....	121	4	6	122	4	6
Food Inspection and Analysis.....	123	4	91	124	4	55
Home Economics Chemistry.....	125	4	6	126	4	6
Advanced Household Chemistry.....	131	4-8	6	132	4-8	5
Research for graduates only.....						
<b>AGRONOMY.</b>						
Farm Equipment.....	103	4	124	101	4	110
Agricultural Engineering.....	105	4	106	102	3	64
Elementary Soils.....	106	4	111	104	4	196
Crop Production.....	109	2	19	108	4	71
Seed and Market Grains.....	121	2	18	111	3	49
Grasses and Forage Crops.....	123	2	15			
Farm Architecture.....	107	4	27	110	3	29
Forest Soils.....	113	3	11	116	5	2
Advanced Soils.....	115	5	2	120	5-10	6
Agricultural Experimentation.....	119	5-10	3		2	2
Field Crop Improvement.....		4	107			
Advanced Crop Production.....		4	144			
Research Work in Soils.....						
Thesis.....						
Farm Crops—Winter Course.....						
Farm Engineering—Winter Course.....						
<b>AMERICAN HISTORY.</b>						
Political History of the United States.....	101	3	207	102	3	163
Political History of the United States.....	107	2	21	101	3	22
Constitutional History of the U. S.....	109	2	8	108	2	17
Political Parties in the U. S.....	113	3	5	110	2	6
History of American Diplomacy, 1776-1850.....						
American Diplomatic History and Problems, 1850-1910.....	123	3	11	114	3	5
Recent History of the United States (1870-1910).....	201	2	6	124	3	11
Reconstruction of the South 1862-1870.....				202	2	7
Political History of the South, 1870-1900.....	115	3	9	116	3	6
History of the West.....	205	2	3	206	2	3
Graduate Seminar (Hayes Administration).....						
<b>ANATOMY AND PHYSIOLOGY.</b>						
Physiology.....	101	3	391	102	3	365
Physiology.....	119	3	46	120	3	41
Histology and Historical Chemistry.....	105	5	58	106	5	61
Advanced Physiology.....	115	3	9	118	3	7
Veterinary Physiology.....				114	3	54
Physiology—Short Course.....	107	3	5			



## THE WORK OF INSTRUCTORS 1913-1914—Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>ANIMAL HUSBANDRY.</b>						
Types and Classes of Cattle and Sheep.....	101	4	256			
Types and Classes of Horses and Swine.....				102	4	223
Dairy Cattle.....	123	4	47			
Types and Breeds of Livestock.....	129	4	106	130	4	71
Feeding and Breeding of Animals.....				128	3	33
Dairy Cattle.....				116	4	22
Poultry Husbandry.....	117	3	39	118	3	46
Poultry Feeding.....				120	1	11
Incubator Practice.....				122	1	10
Poultry Culture.....				121	1	22
Breeds of Horses and Sheep.....	103	4	25			
Horse Training—Harness and Vehicle.....	109	2	15			
Principles of Breeding.....				106	4	31
Types and Breeds of Live Stock.....				132	3	39
The Feeding and Care of Animals.....	125	3	12			
Animal Conformation and Stock Judging.....	107	4	13			
Feeding Animals.....	105	3	64			
Live Stock Management.....				108	4	10
Breeds of Cattle and Swine.....				104	4	32
<b>ARCHITECTURE.</b>						
History of Architecture.....	101	3	29	102	3	30
Order Problems.....	103	2	22	104	5	25
Design.....	107	5	14	108	4	15
Decoration and Ornament.....	109	3	11			
Working Drawings.....				110	4	15
Photography.....	111	2	56	112	2	40
Principles of Architectural Composition.....	113	2	13			
Designing.....				114	3	8
Designing.....	115	6	10			
Professional Practice.....				116	4	10
Sanitary Plumbing.....	117	1	11			
Thesis.....				118	5	8
Masonry.....	119	2	10			
Summer Work (between the second and third year).....				120	4	11
Summer Work (between the third and fourth year).....	121	4	8			
Shades, Shadows and Perspective.....				124	3	31
<b>ART.</b>						
Design and Composition.....	101	2	167	102	2	150
Still Life Composition.....	103	2	15	104	2	11
Still Life Composition in Color Values.....	107	2	9	108	2	9
Still Life Composition.....				103	2	7
Study from Head and Costumed Model.....	111	3	8	112	3	9
Advanced Course in Painting from Still Life and Model and Outdoor Sketching.....	115	3	1	116	3	1
Art Appreciation.....	119	1	36	120	1	27
Design and Composition.....	105	2	85	106	2	55
The Teaching of Art.....	117	3	5	118	3	5
Design and Composition.....	109	2	8	110	2	9
<b>ASTRONOMY.</b>						
General Astronomy.....	101	3	44	102	3	30
Astronomy, Geodesy and Least Squares.....	105	3	21	104	3	33
<b>BACTERIOLOGY.</b>						
Pathogenic Bacteriology for Veterinarians.....	101	4	52			
General Bacteriology (Introductory).....	107	3-5	175			
Immunity and Serum Therapy (Advanced).....	117	2-5	45			
Research Work on Making Camembert Cheese.....	121	5	1			
Research Work in Soil Bacteriology.....	123	3-5	2			
Research Work on Roup in Chickens.....	125	3	1			

## THE WORK OF INSTRUCTORS 1913-1914—Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>BACTERIOLOGY—Concluded.</b>						
Research Work on Physical Chemical Methods for Detecting Antibodies.....	125	3	1			
Special Bacteriology for Pharmacists.....				102	2	19
Special Bacteriology for Short Agricultural Students .....				104	3	7
Human Pathogenic Bacteriology.....				108	2-5	81
Bacteriology of Dairy Products.....				110	2-4	18
Soil Bacteriology .....				112	2-4	12
Water, Sewage, Water Filtration.....				114	2-4	11
Immunity and Serum Therapy (Advanced).....				118	2-4	30
Investigations in Roup of Chickens.....				126	3	1
Investigations in Tuberculosis.....				126	3	1
<b>BIBLICAL LITERATURE, HISTORY AND EXEGESIS.</b>						
Biblical Literature .....	101	3	14	102	3	17
<b>BIBLIOGRAPHY.</b>						
Library and the School.....	101	1	2	102	1	2
Agricultural Bibliography.....	103	1/2	250			
Bibliography for Social Sciences.....	105	1	7	106	1	6
<b>BOTANY.</b>						
General Botany .....	101	4	323	102	4	270
Plant Histology .....	107	2	3			
General Dendrology .....				110	2	39
Elementary Botany .....				112	4	23
Morphology of the Higher Fungi.....	113	3	5			
Plant Pathology .....				116	3	20
Forest Ecology .....	117	4	2	118	4	1
Field Botany .....				120	2	7
Plant Genetics .....	121	2	22			
Plant Physiology .....	125	4	37	126	4	33
General Plant Pathology.....	127	4	10	128	4	6
Systematic Botany .....	129	5	9	130	5	10
Minor Investigations.....	133	5	7	134	5	12
Evolution of Plants.....	135	1	9	136	1	8
Advanced Mycology .....	139	5	2	140	5	2
Dendrology of Conifers.....				142	2	22
Research in Systematic Botany.....	201	10	5	202	10	4
Research in Morphology and Cytology.....	203	10	3	204	10	3
Research in Physiology and Ecology.....	205	10	1	206	10	1
Research in Mycology.....	207	10	1	208	10	2
<b>CERAMIC ENGINEERING.</b>						
Ceramic Manufacture .....	103	5	9	104	5	7
Ceramic Manufacture .....	141	3	14	142	3	8
Ceramic Manufacture .....				141	3	5
Laboratory Work in Ceramics.....	111	5	5	112	5	5
Physical and Chemical Measurements of Clays.....				108	3	13
Colors and Glazes.....				110	2	11
Thesis .....				116	4	5
Laboratory Work in Ceramics—Short Course.....	115	2	1	126	5	1
Ceramic Drawing .....	113	5	5	114	5	5
Ceramic Drawing .....	113	5	5	114	5	5
Ceramic Manufacture .....				142	3	9
Ceramic Calculations .....				105	2	1
Thesis .....				116	4	1
<b>CHEMISTRY.</b>						
Elementary Chemistry .....	101	4	159	102	4	2
Qualitative Analysis .....				104	2	50
Elementary Chemistry .....	105	4	474	106	4	452
General Chemistry .....	109	4	338	110	4	310
Advanced General Chemistry.....	113	2	80	114	2	65



## THE WORK OF INSTRUCTORS 1913-1914 — Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
CHEMISTRY—Concluded.						
Qualitative Analysis	117	3	18			
Quantitative Analysis	119	4	89	120	4	64
Chemical Problems				124	1	54
Organic Chemistry	127	5	64			43
The Teaching of Chemistry	131	2		132	2	
The Reading of Chemical Literature				136	2	22
Thesis				140	4	23
Organic Chemistry	151	2	69	152	2	63
Organic Chemistry	153	3	38	154	3	40
Physical Chemistry	157	3	47	158	3	41
Physical Chemistry	161	2-3	6	162	2-3	2
Quantitative Analysis	165	3-5	13			
Special Methods of Analysis	167	3-5				
Qualitative Analysis				168	3-5	37
Sanitary Analysis				176	3	17
Industrial Chemistry	177	2	35			
Industrial Inspection Trip				178		28
Written Report				184		
Industrial Chemistry	185	2	22	186	3	21
Inorganic Preparations	187	2-3	18	188	2-3	28
Rare Elements	191	2				
Applied Electro-Chemistry				194	2	20
(Graduate Work.)						
Physical Chemistry	201	3	3	202	3	2
Organic Chemistry	205	3-5	6	206	3-5	1
Inorganic Preparations	209	3	1	210	3	
Historical Chemistry	213	2				
Organic Chemistry	215	2		218	2	10
Inorganic Chemistry				220	2	
The Phase Rule	221	2	11			
Electro-Chemistry				224	2	8
Analytical Chemistry	227	2	5			
Chemical Seminar	231	1	18	232	1	16
Research Work	235	5-10	3	236	5-10	4
CIVIL ENGINEERING.						
Land Surveying	101	4	49			
Field Practice in Land Surveying	101a	1	39			
Railroad Surveying				102	3	39
Field Practice in Railroad Surveying				102a	1	24
Topographic Drawing	103	2	45			
Topographic Surveying	105	3	37			
Summer Surveying Camp, 104-4						
Roads and Streets				106	3	29
Stereotomy	107	3	33			
Timber Construction				108	3	25
Sanitary Engineering	109	2	38			
Stresses in Structures				110	4	31
Summer Surveying Camp, 111-4						
Railway Location				112	4	20
Bridge Designing	113	4	27			
Advanced Bridges				114	4	7
Masonry Construction	115	3	29			
Masonry Structures				116	3	26
Water Supply	117	3	13	117a	3	18
Cement and Concrete	118a	3	15	118	3	25
Thesis	119	1	29	122	4	28
Contracts and Specifications				120	2	29
Surveying and Topographic Drawing	121	6	19			
Trusses	123	3	26	124	3	32
Tall Buildings	125	3	10			
Timber and Masonry				126	2	31
Plane Surveying				128	2	53
Investigation and Design				202	3	1

## THE WORK OF INSTRUCTORS 1913-1914 — Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>COMPETITIVE AND RECREATIVE ATHLETICS.</b>						
Activities and Duties of Department Members:						
Director Athletics						
Business Management Inter-Collegiate Athletics						
Direction Basket-ball—Dec. 1 to March 15.						
Varsity 40, Freshman 70.						
Direction Base-ball—March 1 to June 16.						
Varsity 60, Freshman 75.						
Assistant in Foot-ball—Sept. 20 to Nov. 22.						
General promotion Intra-Mural Activities.						
Active promotion Intra-Mural Base-ball—600						
Director Track and Field Athletics.						
Director Track and Field Sports—Dec. 1 to June 6—200.						
Direction Cross Country Running—Sept. 20 to Nov. 22—75.						
Assistant in Foot-Ball—Sept. 20 to Nov. 22.						
Promotion Intra-Mural Activities in Cross Country Running, Track and Field Athletics, Soccer Foot-ball—300.						
Director Foot-ball						
Direction of Foot-ball.						
Actual playing season—Sept. 20 to Nov. 22—Varsity squad 80, Freshman 65.						
Winter Lecture Course in Foot-ball—Feb. 24 to April 4—Three hours per week—50.						
Spring Foot-ball Practice—April 14 to May 28—Hours 4 to 6, three days per week—60.						
Active Organization and Promotion Intra-Mural Athletics—Dec. 1 to April 4.						
Direct Supervision Intra-Mural Basket-ball—300						
Assistant Intra-Mural Track, Indoor work—200						
<b>DAIRYING.</b>						
Farm Dairying				102	4	76
Advanced Dairying				114	3	18
Milk Condensing and Ice Cream Making				110	5	13
Advanced Dairying				118	10	2
Principles of Dairying	101	4	127			
Elementary Dairying	109	4	67			
Advanced Dairying	113	3	14			
Advanced Dairying	117	3	1			
Dairy Mechanics	111	3	14			
City Milk Supply	103	2	5	104	2	47
Cheese Making	107	3	9	108	3	9
Butter Making	105	5	23	106	5	21
<b>ECONOMICS AND SOCIOLOGY.</b>						
Economic and Social History of England and United States	131	3	57	131	3	40
Economic Geography	133	3	39	133	3	49
Principles of Economics	135	3	347	136	3	286
Principles of Economics	136	3	8	135	3	39
Elements of Accounting	139	2	58	140	2	28
Senior Seminar in Economics	145	2	3	146	2	2
Financial History of the United States	147	2	5	148	2	4
Business Law	149	2	40	150	2	36
Public Finance	141	2	7			
Problems of Taxation				144	2	6
Money and Currency	153	3	25			
Banking and the Money Market				154	3	22
Life Insurance	157	3	8			
Property Insurance				158	3	19



## THE WORK OF INSTRUCTORS 1913-1914 — Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>ECONOMICS AND SOCIOLOGY—Concluded.</b>						
Commercial Development .....	159	3	7	162	3	12
Foreign Markets and the Consular System .....	163	3	24	167	3	19
Corporation Economics .....	168	3	7	164	3	11
Railway Economics .....	173	3	9	174	3	11
Railway Organization and Administration .....	177	2	2	178	2	2
Industrial Organization .....	101	3	161	102	3	139
Accounting Practice .....	103	3	5	108	1	4
Auditing .....	111	3	28	112	3	16
The State in its Relation to Industry and Labor .....	113	3	8	114	3	10
Principles of Sociology .....	115	2	8	116	2	9
The Indian .....	117	2	3	118	2	2
Primitive Man in Ohio .....	207	2	4	208	2	5
Poverty .....		3	1			1
Preventive Philanthropy .....						
Historical Socialism and Social Reform .....						
Recent Socialism and Social Reform .....						
Field Work in Sociology .....						
Seminar in Sociology .....						
Graduate Seminar in Economics and Sociology .....						
Special .....						
<b>ELECTRICAL ENGINEERING.</b>						
General Electrical Engineering .....	101	5	43			
General Electrical Engineering .....	103	3	49			
Direct Current Machinery .....				104	5	28
Applications of Electricity .....				106	1.5	30
Alternating Current Circuits and Machinery .....				108	1.5	30
Alternating Currents Continued .....	109	3	30			
Alternating Current Laboratory .....	111	3	29			
Advanced Alternating Current Laboratory .....				112	3	29
Electric Railways .....	113	2	18			
Telephony .....	115	2	3			
Electric Illumination .....	117	2	18			
Wireless Telegraphy .....	119	2	3			
Electric Design .....	121	3	29			
Electric Design .....				122	2	6
Electric Transmission and Distribution .....				124	2	8
Special Reading and Laboratory .....	125					
Special Reading and Laboratory .....				126	2	4
Thesis .....	127	1	29			
Thesis Continued .....				128	5	29
Inspection Trip East .....				130		58
Inspection Trip West (Not given in 1913-14) .....				132		
Reading Course (Alternative with E. E. 130) .....				134		
Reading Course (Alternative with E. E. 132) .....				136		2
<i>For Graduates Only</i>						
Advanced Alternating Current Machinery .....	201	2		202	2	
Transient Electrical Phenomena .....	203	2		204	2	
Advanced Alternating Current Dynamic Laboratory .....	205	2		206	2	
Research Work .....	207			208		
<b>ENGINEERING DRAWING.</b>						
Elementary Mechanical Drawing .....	101	2	351			
Mechanical Drawing .....				102	3	291
Descriptive Geometry .....	103	3	154			
Machine Sketching .....				104	3	76
Descriptive Geometry (C. E.) .....	105	3	34			
Advanced Descriptive Geometry .....				106	3	30
Descriptive Geometry (Arch.) .....	107	3	23			
Technical Sketching .....				110	2	28
Free-hand Drawing .....	111	2	61			
Free-hand Drawing and Lettering (Short I. A.) .....	113	4	8			
Mechanical Drawing (Short I. A.) .....				114	3	10
Charcoal Drawing .....	115	2	32	118	3	17

## THE WORK OF INSTRUCTORS 1913-1914 — Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ENGINEERING DRAWING—Concluded.						
Pen Drawing .....				116	2	26
Water Color .....	117	2	14			
Clay Modeling .....	119	2	9			
Technical Drawing (Chem. Eng.) .....	121	2	20	122	2	17
Engineering Drawing (Forestry) .....	123	2	29			
Mechanical Drawing (Agr.) .....	125	2	122	126	2	127
Mechanical Drawing (Home Econ.) .....	127	1½	93			
House Planning (Home Econ.) .....				128	1½	81
Lettering (Pharmacy) .....	129	1	4			
Technical Drawing (Pharmacy) .....				130	2	8
Teaching of Mechanical Drawing .....	131	3	7	132	3	7
Technical Delineation .....	135	2	2	136	2	3
Engineering Drawing (Forestry) .....	137	2	3			
ENGLISH.						
Paragraph Writing .....	101	2	1,081	102	2	110
Paragraph Writing .....				104	2	782
Advanced Description and Narration .....	107	2	67			
Advanced Exposition and Criticism .....				108	2	73
Advanced Argumentative Writing .....	111	2	12	112	2	11
News Collecting and News Writing .....	113	2	80			
Newspaper Correspondence .....				114	2	56
Newspaper Practice .....	115	3	18	116	3	16
Editorial Work .....	117	2	6			
Newspaper Practice .....				118	2	9
Principles of Public Speaking .....	121	2	61			
Debating .....				122	2	45
Advanced Debating .....	123	2	10			
Extempore Speaking .....				124	2	15
History of the English Language .....	127	2	17			
English Words .....				128	2	29
Survey of English Literature .....	131	3	133	131	3	97
Survey of American Literature .....	134	3	75	134	3	154
The Age of Elizabeth .....	135	2	10			
The Age of Milton .....				136	2	18
Eighteenth Century Essayists .....	137	2	28			
Nineteenth Century Essayists .....				138	2	29
The Romantic Movement .....	139	2	17			
Wordsworth and his Period .....				140	2	32
Tennyson .....	141	3	47			
Browning .....				142	3	76
Old English .....	151	3	11			
Old and Middle English .....				152	3	10
The Novel .....	155	3	72	156	3	87
Versification .....	157	3	12			
The Short Story .....				158	3	27
Early Popular Drama .....	165	2	23			
The Drama from 1580 to 1642 .....				166	2	19
Shakespeare .....	167	3	51	168	3	78
Modern English Drama .....	169	2	32	170	2	48
The Beginning of the Short Story .....	201	2	5			
The Lyric .....				202	2	5
Meredith, Hardy, James .....	207	2	10			
Poetry and the Drama Since 1880 .....				208	2	10
English and Scottish Popular Ballads .....	209	2	7			
English Usage .....				210	2	9
Discussions of Dissertations .....	219	2	6	220	2	6
The Teaching of English .....				182	2	12
EUROPEAN HISTORY.						
Medieval History .....	101	3	195			
Modern History since 1500 .....				102	3	198
History of England .....	103	3	55	104	3	53
History of Greece .....	105	3	24			
History of Rome .....				106	3	25
Medieval Civilization .....	107	2	8	108	2	10
The Age of the Renaissance .....	109	2	10			



## THE WORK OF INSTRUCTORS 1913-1914—Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
EUROPEAN HISTORY—Concluded.						
The Period of the Reformation.....				110	2	10
The French Revolutionary and Napoleonic Periods .....	111	3	19			
Europe in the Nineteenth Century.....	112	3	26			
Constitutional History of England.....	113	3	11	114	3	8
Europe and Africa, India, and Australia.....	115	2	7			
Europe and Turkey.....				116	2	15
History of Germany.....	119	2	19	120	2	19
Teachers' Course in European History.....				152		10
Seminar in Modern European History.....	203	2	8	204	2	8
FORESTRY.						
Elementary .....	101	2	37			
Silvics .....				102	2	27
History and Relations.....	103	2	21			
Arboriculture .....				104	3	22
Silviculture .....	105	3	16	106	3	14
Mensuration .....	107	4	15			
Utilization and Lumbering.....				108	4	8
Management .....	109	2	7			
Protection .....	111	2	16			
Forest Craft .....				112	2	24
Forest Economics .....	113	2	8			
Forest Policy .....				114	2	10
Wood Technology Products.....				116	4	7
Seminar .....	117	1	10			
Seminar .....				118	1	11
Advanced Forestry .....	119	5	7	120	5	10
Thesis .....			1			1
GEOLOGY.						
Physiography .....	101	3	109	102	3	92
General Geology .....	165	3	237	152	3	134
General Geology .....				168	3	41
Applied Geology .....	153	3	160			
Inorganic Geology .....	103	3	23	104	3	17
Historical Geology .....						
Economic Geology .....	167	3	16			
Invertebrate Paleontology .....	107	2-5	7	108	2-5	8
Physiography of Central Ohio.....	111	3-5	8			
Field Geology .....	105	3-5	5			
Glacial Geology .....				106	3	4
Petrography .....				106	2	5
Elementary Physiography .....				162	4	4
Minor Investigations and Current Literature.....	141a	2	2	142a	2	3
Minor Investigations and Current Literature.....	141c	2	1			
Advanced Historical Geology.....	201	5	1	202	5	3
GERMAN.						
Elementary .....	101	4	267	101	4	24
Elementary .....	102	4	13	102	4	217
Intermediate .....	103	4	344	103	4	16
Easy Classical Reading.....	104	4		104	4	188
Science Reading .....				106	4	110
Advanced German .....	107	4	50	108	4	37
Classical and Modern Writers.....	115	2	35	116	2	32
Schiller .....	117	2	23	118	2	17
Nineteenth Century Drama.....	119	2	57	120	2	61
Nineteenth Century Lyric.....	123	2	23	124	2	23
Conversation and Composition.....	131	2	27	132	2	25
Conversation .....	133	2	8	134	2	11
Goethe .....	151	3	17	152	3	15
Volkslied and Volksbücher.....	157	2	12	158	2	15
Heines, Hebbel .....	159	2	7	160	2	10
Advanced Prose Composition.....	171	2	12	172	2	10
Teaching of German.....	173	2	13			
Grammar Review .....				174	2	16
Middle High German.....	177	2	2			

## THE WORK OF INSTRUCTORS 1913-1914 — Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
GERMAN—Concluded.						
History of German Language.....				178	2	3
Advanced Middle High German.....	201	2	3	202	2	2
Gothic, Old High German.....	203	2	1	204	2	1
Seminar .....	215	2	8	215	2	8
GREEK.						
Elementary Greek and Anabasis.....	101	4	12	102	4	11
Xenophon: Memorabilia .....	105	4	3			
Homer: Iliad .....				106	4	1
Ancient Art .....	115	2	36	116	2	39
Plato: Phaedo .....	119	2	1			
HISTORY AND PHILOSOPHY OF EDUCATION.						
History of Education.....	101	3	35	102	3	40
Philosophy of Education.....	103	2		104	2	
Educational Classics .....	105	2	5	106	2	
History of European School Systems.....	107	2		108	2	
History of Education in U. S. ....	109	2		110	2	
Seminar in History of Education.....	121	1		122	1	
Seminar in Educational Philosophy.....	123	1		124	1	
HOME ECONOMICS.						
Foods .....	101	4	128	102	4	121
Textiles .....	111	2	150	112	2	132
Sanitation .....				104	3	62
Seminar .....	105	2-5	49	106	2-5	47
Teacher's .....	108	3	42			
Dress .....	113	3	29	116	3	24
Dress .....				113	3	14
Household Management .....	107a	3	24	107	3	20
Household Art .....				114	3	60
Dietetics .....	110a	4	28	110	4	37
HORTICULTURE.						
Pomology .....	113	4	34	114	4	21
Pomology .....	105	4	26	106	4	26
Plant Variation .....	107	3	16			
Experimental Horticulture .....	109	3	23	109	3	20
	Sp.		2	Sp.		2
Principles of Horticulture.....	111	4	127	112	4	78
Principles of Horticulture.....	101	4	54	102	4	44
Pomology .....				118	4	118
Vegetable Gardening .....	103	4	45	104	4	36
Vegetable Gardening .....	115	4	20	116	4	13
Landscape Gardening .....				108	3	36
Winter Course .....						42
INDUSTRIAL ARTS.						
Tools and Machines.....	101	3	4	102	3	2
Designing .....	103	2	3	104	2	2
Strength of Materials.....				110	6	2
Machine Design .....				112	2	26
Shop Building .....				114	2	6
Shopwork.						
Carpentry and Pattern Making.....	101	2	170	102	2	151
Forging .....	103	2	191	104	2	137
Foundry .....	105	2	30	106	2	10
Chipping and Filing .....	107	2	30	108	2	15
Joinery and Pattern Making.....	109	2	45	110	2	20
Advanced Pattern Making.....	111	1	16	112	1	12
Cabinet Making .....	113	2		114	2	8



## THE WORK OF INSTRUCTORS 1913-1914—Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
INDUSTRIAL ARTS—Concluded.						
<i>Shopwork—Concluded.</i>						
Forging .....	115	2	22	116	2	39
Advanced Forging .....				118	2	
Machine Work .....	119	3	53	120	3	32
Advanced Machine Work .....	121	3	21	122	3	43
Advanced Machine Work .....	123	2	2	124		1
Construction Work .....	125	2		126	2	
Tool Making and Jig Work .....	127	3		128	3	
Wood Turning and Pattern Making .....	129	3	2	130	3	1
Advanced Cabinet Work .....	131	3		132	3	
Research Work .....	201	5-10		202	5-10	
LATIN.						
Cicero and Horace .....	101	4	46			
Horace and Livy .....				102	4	38
Pliny and Catullus .....	103	3	24			
Catullus, Plautus and Terence .....				104	3	24
Roman Satire .....	105	2	4			
Roman and Comparative Literature .....	111	1	9	112	1	11
Pro-Seminar .....	113	3	11	114	3	11
Prose Composition .....	115	3	8	116	3	7
Advanced Reading .....	121	2	3	122	2	6
Sounds and Inflections .....	123	1	6	124	1	3
Syntax .....	125	1	3	126	1	3
Elementary Latin .....	147	4	10			
Cæsar .....				148	4	7
Roman Religion .....	201	1	3	202	1	3
LAW.						
Elementary Law .....		3	77			
Practice and Practice Court .....		2	46		2	38
Bankruptcy .....		1	18			
Trusts .....					2	28
Public Corporations .....					3	41
Brief Making .....					2	41
Legal Ethics, (5) Lectures .....						39
Criminal Law .....		3	79			
Torts .....					3	71
Private Corporations .....		2	46		2	38
Constitutional Law .....		3	47			
Damages .....					2	57
Partnership .....					2	54
Conveyancing .....		2	34			
Real Property II .....		3	59			
Property I .....		2	77			
Property II .....					2	62
Wills .....					2	58
Real Property III .....					3	56
Insurance .....					2	17
Contracts .....		3	81		3	68
Bailments .....		2	57			
Negotiable Instruments .....		3	50			
Agency .....					2	71
Sales .....					2	53
Federal Jurisdiction .....					2	6
Code Pleading .....		3	55			
Common Law Pleading .....					2	66
Torts .....		2	78			
Quasi Contracts .....		2	59			
Judgments .....		2	15			
Domestic Relations .....					2	69
Suretyship .....					2	53
Equitable Remedies .....					2	30
Equity Jurisprudence .....		4	40			
Ohio Ct. of Appeals and Supt. Ct. Practice .....					1	24
Evidence .....		2	59		2	55

## THE WORK OF INSTRUCTORS 1913-1914—Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
MANUAL TRAINING.						
Constructive Design .....	103	3	4	.....	.....	.....
Teaching of Manual Training.....	111	3	3	112	3	5
Handwork Correlation for Elementary Supervisors in Fine, Industrial and Household Arts.....	121	3	11	122	3	19
MATHEMATICS.						
College Algebra and Trigonometry.....	105	4	24	.....	.....	.....
Plane and Solid Geometry.....	113	5	15	.....	.....	.....
College Algebra and Trigonometry.....	121	3	127	.....	.....	.....
Calculus .....	127	3	8	128	3	8
Mathematics of Statistics and Insurance.....	129	3	10	.....	.....	.....
College Algebra and Trigonometry.....	131	5	347	.....	.....	.....
Analytic Geometry and Algebra.....	132	5	40	.....	.....	.....
Differential Calculus .....	141	5	184	.....	.....	.....
Integral Calculus .....	142	5	36	.....	.....	.....
Differential Equations .....	151	1	44	.....	.....	.....
Plane and Solid Analytic Geometry.....	163	3	3	.....	.....	.....
Modern Higher Algebra.....	173	3	3	.....	.....	.....
Teaching of Mathematics.....	175	3	6	175	3	6
Theory of Functions of a Complex Variable.....	201	3	6	202	3	12
Plane Trigonometry and Analytic Geometry.....	.....	.....	.....	106	4	21
Solid Geometry .....	.....	.....	.....	114	5	12
Plane Trigonometry and Analytic Geometry.....	.....	.....	.....	122	3	87
College Algebra and Plane Trigonometry.....	.....	.....	.....	131	5	89
Mathematics of Finance and Insurance.....	.....	.....	.....	130	3	10
Plane Trigonometry and Analytic Geometry.....	.....	.....	.....	132	5	255
Calculus .....	.....	.....	.....	141	5	36
Calculus .....	.....	.....	.....	142	5	161
Theory of Functions.....	.....	.....	.....	.....	.....	.....
MECHANICAL ENGINEERING.						
Mechanism .....	101	3	37	.....	.....	.....
Mechanical Engineering of Power Plants 56 + 41.	103	3	97	.....	.....	.....
Mechanism and Machine Design (Not given this year) .....	.....	.....	.....	110	3	.....
Mechanism .....	.....	.....	.....	114	3	31
Mechanism Drawing .....	.....	.....	.....	116	1	32
Steam Engines 36 + 36.....	.....	.....	.....	118	3	72
Steam Boilers .....	.....	.....	.....	120	1	41
Heating and Ventilating.....	121	2	8	.....	.....	.....
Materials of Construction.....	123	2	8	.....	.....	.....
Gas Engines .....	125	2	26	.....	.....	.....
Machine Design 18 + 23 = ; 18 + 23 = .....	127	5	41	144	5	41
Thermodynamics .....	129	2	25	.....	.....	.....
Inspection Trip to the East.....	.....	.....	.....	130	.....	54
Inspection Trip to the West (Written Report).....	.....	.....	.....	136	.....	2
Mechanism and Machine Design.....	.....	.....	.....	140	2	24
Hydraulic Machinery .....	.....	.....	.....	142	2	25
Steam Turbines .....	.....	.....	.....	146	2	19
Thesis Work (23 in M. E. and 1 in C. E.).....	.....	.....	.....	148	3	24
Experimental Engineering 14 + 12 = 13 + 17 E. E.	175	3	26	160	2	30
Experimental Engineering 25 17 + 17 M. E. ....	179	2	25	164	2	34
Experimental Engineering (Not given this year) Cer. ....	171	4	.....	.....	.....	.....
Experimental Engineering C. E. ....	173	5	22	.....	.....	.....
Experimental Engineering M. E. ....	.....	.....	.....	190	6	24
Experimental Engineering E. M. ....	.....	.....	.....	192	3	11
MECHANICS.						
Statics and Strength of Materials.....	101	5	164	.....	.....	.....
Strength of Materials, Kinetics and Hydraulics.....	.....	.....	.....	102	5	123
Strength of Materials.....	.....	.....	.....	104	2	19



## THE WORK OF INSTRUCTORS 1913-1914 — Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>METALLURGY.</b>						
Fire Arraying Metallurgy.....	105	3	3			
Metallurgical Analysis.....				106	4	9
Metallurgical Analysis—Alloy Analysis.....	107	4	6			
General Metallurgy.....	109	4	76			
Non-Ferrous Metallurgy.....				110	4	6
Metallurgical Construction.....	111	2	10			
Technical Gas Analysis.....				112	2	14
Ore Dressing.....	113	2	14			
Special Metallurgy.....				114	2	14
Thesis.....				116	3	4
Ceramic Analysis.....	101	5	22			
Ceramic Analysis.....				102	3	12
<b>METEOROLOGY.</b>						
Meteorology.....	101	2	154	102	2	7
<b>MILITARY SCIENCE.</b>						
Recitation in Drill Regulations for First Year Men.....	1	1	813	1	1	750
Drill Regulations—Guard Manual—for Second Year Men.....	2	1	562	2	1	495
Fifty-six Officers, Teachers in these Courses, First Semester.....						
Sixty Officers, Teachers in these Courses, Second Semester.....						
<b>MINE ENGINEERING.</b>						
Mathematics.....	101	5	10	102	5	11
Mine Engineering.....	101	5	1	102	5	1
Mine Engineering.....	103	4	19	104	4	11
Mine Engineering.....	105	5	12	106	5	10
Mine Engineering.....	107	2	1			
Mine Engineering.....	109	1	9	110	1	7
Mine Engineering.....				116	3	5
Metallurgy, Part Time.....	111	2	12			
Metallurgy, Part Time.....				102	4	1
<b>MINERALOGY.</b>						
Crystallography and Descriptive Mineralogy (Mine Eng.).....				102	3	14
Crystallography and Descriptive Mineralogy (Pharm. and Chemists).....						
Determinative Mineralogy.....				102	3	26
Microscopic Mineralogy.....				104	3	4
Microscopic Petrography.....	121	3	2	121	3	3
Advanced Crystallography and Physical Mineralogy.....	123	3	2			
<b>PHARMACY.</b>						
Theory and Practice.....	101	5	42	102	5	55
Operative Pharmacy.....	103	5	30	104	6	26
Materia Medica.....	105	3	32	106	3	26
Pharmaceutical Assaying, Etc.....	107	5	9	108	5	8
Pharmacognosy.....	109	3	36	110	3	31
Pharmacognosy.....	111	3	9	112	3	10
Pharmaceutical Problems.....	113	1	46			
Toxicology.....				114	3	23
Pathological Reagents, Etc.....				116	2	25
Pharmaceutical Latin.....	117	4	22	118	4	17

## THE WORK OF INSTRUCTORS 1913-1914—Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>PHILOSOPHY.</b>						
Introductory Logic .....	102	3	77			
Introduction to Philosophy .....				101	3	88
Elementary Ethics .....	106	3	44	106	3	34
Aesthetics .....	115	2	30	116	2	28
History of Philosophy .....	151	3	29	152	3	28
Advanced Logic .....	113	3	6	114	3	4
Philosophy of Religion .....	119	3	7			
Main Currents of 19th Century Thought .....				142	3	15
Graduate Seminar .....	201	3	3	202	3	2
Contemporary Philosophy .....	207	3	6	208	3	5
<b>PHYSICAL EDUCATION.</b>						
Physical Education, Men—Floor Work .....	1			1		
Swimming .....		1	1,090		1	904
Personal Hygiene .....						
Advanced Exercises, Floor Work .....	2			2		
Physical Education, Women—Floor Work .....	1	1		1	1	
Floor Work .....	2	1	563	2	1	419
Theory .....	3	1½		3	1½	
Personal Hygiene .....						
<b>PHYSICS.</b>						
Elementary Physics .....	101	6	17			
General Physics .....	103	4	16	104	4	6
General Physics .....	105	4	45	105	4	39
Forestry Physics .....				108	3	23
General Physics .....	111	3	155	112	3	114
General Physics .....	113	5	82	114	5	41
Laboratory .....	121	3-5	8	122	3-5	7
Advanced Laboratory .....	123	3-5	6	124	3-5	6
Physical Laboratory .....	123	2	42			
Physical Laboratory .....	135	5	34	134	5	33
Physical Laboratory .....				138	2	33
Advanced Light and Electricity .....	143	3	10	144	3	10
Physical Seminar .....	145	1	2	146	1	1
Thermodynamics and Electrolytic Conduction .....	205	2	6	206	2	6
<b>POLITICAL SCIENCE.</b>						
Constitutional Government .....	101	3	73	102	3	50
Introduction to Jurisprudence .....	111	3	12	101	3	3
Problems in International Politics .....	113	1	2	112	2	10
International Law .....	103	2	7			
Comparative Constitutional Law .....	119	2	2	104	2	5
Municipal Government and Problems .....				120	2	2
Party Government .....	107	3	4	106	3	8
English Politics .....	123	3				
History of Political Theories .....				116	2	3
Pro-Seminar in Political Science .....	117	2	5	118	2	5
<b>PRINCIPLES AND PRACTICE OF EDUCATION.</b>						
Principles of Education .....	101	3	15			
Biological Principles in Education .....	105	3	14			
Observation, Criticism and Practice Teaching .....				104	3	14
Study of Principles of Education in Behavior .....				106	3	21
<b>PSYCHOLOGY.</b>						
General Psychology: Introductory Course .....	101	3	309	102	3	304
General Psychology: Introductory Course .....				101	3	52
Educational Psychology .....	107	2	38	108	2	34
Experimental Psychology .....	111	3	8	112	3	4
Experimental Psychology .....				111	3	3



## THE WORK OF INSTRUCTORS 1913-1914—Continued

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
PSYCHOLOGY—Concluded.						
Abnormal Psychology .....	121	3	25	122	3	34
The Defective Child .....	125	3	23	134	2	6
Social Psychology .....	133	2	4	142	2-4	1
Individual Psychology .....	141	2-4	1	146	3	2
Research in Experimental Psychology .....	145	3	2	202	3	1
Seminar in Psychology .....	201	3	1			
Graduate Course in Psychology .....						
ROMANCE LANGUAGES.						
Introduction to Romance Philology .....	201	2	2			
<i>French.</i>						
Elementary French .....	101	4	336	102	4	266
Modern French Literature .....	103	4	168	104	4	113
Science Reading .....	107	2	21	106	4	15
Advanced Prose Composition .....	109	3	38	108	2	19
History of French Literature .....	111	3	6	110	3	32
Seventeenth Century Drama .....	113	2	29	112	3	4
Seventeenth Century Tragedy and Prose .....	117	2	8	114	2	23
Eighteenth Century Drama .....	119	2	2	118	2	7
Nineteenth Century Drama .....				120	2	1
Recent French Prose .....						
Practice in Speaking and Writing French .....						
French Seminar A .....						
French Seminar B .....						
<i>Italian.</i>						
Elementary Italian .....	101	2	17	102	2	17
<i>Spanish.</i>						
Elementary Spanish .....	101	4	156	102	4	108
Modern Spanish Literature .....	103	4	25	104	4	23
The Novel After Cervantes .....	107	2	8	108	2	6
Contemporaries of Lope de Vega and Calderon .....	209	3	1			
Research in Spanish Literature .....						
RURAL ECONOMICS.						
Farm Management .....	103	4	123	102	4	46
Farm Management (Winter Course) .....	101	2	21	101	2	12
Farm Accounts .....	107	5	3	Spl.	2	1
Farm Accounts .....	105	3	7	108	5	2
Research Work .....				104	3	105
Agricultural Economics .....						
Historical and Comparative Agriculture .....						
SCHOOL ADMINISTRATION.						
The Organization of Public Schools .....	101	3	9	102	3	8
The Administration of Public Schools .....	103	1	1	104	1	1
School Hygiene and Sanitation .....	111	3	14	112	3	16
The Secondary School .....	105	5	2	106	5	3
Comparative School Administration .....	123	3	2	122	2	8
The Teaching of Agriculture in the High School .....	125	2	4	124	3	
The Elements of General Agriculture .....	127	2				
Rural Life and Institutions .....				132	2	
History of Agricultural Education .....						
Teaching Elementary Agriculture .....						
VETERINARY MEDICINE.						
Veterinary Anatomy .....	101	6	58	102	10	55
Veterinary Anatomy .....	103	8	61	134	2	8
Surgery .....				120	3	51
Veterinary Medicine .....				126	5	93

## THE WORK OF INSTRUCTORS 1913-1914—Concluded

Course Subject	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
VETERINARY MEDICINE—Concluded.						
Materia Medica .....	107	3	51	108	5	52
Pathological Histology .....	113	3	43	112	3	47
Parasitology .....				114	1	45
Meat Inspection .....				122	2	45
Ophthalmology .....				130	1	45
Canine Diseases .....	115	2	47	116	2	46
Winter Course (Agriculture) .....					3	60
Physical Diagnosis .....	127	3	51			
General Pathology .....	105	5	50			
Clinics for Large Animals .....	123	1½	47	124	1½	47
Clinic for Small Animals .....	110	1½	47	118	1½	47
Principles of Horseshoeing .....	109	3	53			
Obstetrics .....	111	3	47			
Practice in Operating (Large Animals) .....	125	1	42			
Practice in Operating (Small Animals) .....	121	1	47			
Surgical Diseases .....				132	5	44
General Therapeutics .....				128	2	44
ZOOLOGY AND ENTOMOLOGY.						
Elementary Zoology .....	101	3	533	102	3	433
Comparative Anatomy of Vertebrates .....	103	3	10	104	3	9
Economic Entomology .....	107	3	179	108	3	163
Systematic and Practical Entomology .....	109	3	46	110	3	29
Parasites of Domestic Animals .....	111	1	6			
Apiculture .....				112	3	6
Special Entomology .....	113	4	10	114	4	11
Vertebrate Embryology .....	125	3	7	126	3	5
Embryology .....				128	2	55
Quantitative Studies in Variation Heredity, Etc. .....	129	2	21	130	4	7
Evolution .....	131	3	11	132	3	10
Comparative Neurology .....				134	3	1
Advanced Entomology .....	137	3	6	138	3	7
Ornithology .....	139	2	5	140	2	6
Research Work .....	141	5	1	142	5	1
Zoological Seminar .....	143	1	14	144	1	14
Teachers' Course .....	145	2	1			
Research Work .....	241	5	8	242	5	7
Invertebrate Zoology .....	247	5	1	248	5	1
Vertebrate Embryology .....	249	3	3	250	3	2
Thesis .....			5			5



# APPENDIX VI.

\*SHOWING THE WHOLE NUMBER OF DEGREES IN COURSE CONFERRED SINCE THE FOUNDING OF THE UNIVERSITY

	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
Bachelor of architecture.....																																			8	9	
Bachelor of arts.....	1	1	6	2	2	1	5	4	6	8	6	1	7	2	6	9	12	19	13	17	18	8	14	16	6	16	68	68	93	80	107	120	122	139	148	174	
Bachelor of philosophy.....								1	1	2	6	7	4	8	8	5	5	19	26	27	27	31	38	37	37	37	7	3									
Bachelor of science.....	5	5	1	2	5	3	2	4	2	4	4	8	2	10	7	11	7	9	4	10	10	5	7	11	5	10	7	3									
Bachelor of science (Agr.).....								1	1									2	4	4	5	2	7	6	6	9	5	14	23	19	32	20	22	13	58	54	
Bachelor of science in biology.....																																					
Bachelor of science in chemical engineering.....																															5	6	7	10	11	10	
Bachelor of science in chemistry.....																						1	1	7	5	3	4							1	2		
Bachelor of science in domestic science.....																							1	6	2	3	5	10	6	1	13	11	15	27	33	33	
Bachelor of science in education.....																																					
Bachelor of science in forestry.....																																					
Bachelor of science in home economics.....																																					
Bachelor of science in horticulture.....																																					
Bachelor of science (H. F.).....																																					
Bachelor of science (I. Arts).....																																					
Bachelor of science (Phar.).....																																					
Ceramic engineer.....																																					
Civil engineer in architecture.....																																					
Civil engineer.....																																					
Mechanical engineer.....	1		2				1	3	1	2	4	2	2	2	7	9	7	9	11	4	8	7	3	10	11	14	9	17	15	24	26	22	33	24	16	27	
Mechanical engineer in electrical engineering.....																																					
Engineer of mines.....																																					
Graduate in pharmacy.....	1	1		2		1	2	4	1	4	2		2	3	6	5	3	11	12	11	7																
Master of pharmacy.....																																					
Doctor of civil engineering.....																																					
Doctor of veterinary medicine.....																																					
Master of arts.....																																					
Master of arts in education.....																																					
Master of science.....																																					
Master of science (Agriculture).....																																					
Master of science (Dom. Sc.).....																																					
Master of science (H. F.).....																																					
Doctor of philosophy.....	1																																				
Doctor of science.....																																					

## APPENDIX VI — Continued.

	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	
Juris Doctor .....																																						
Bachelor of laws.....															9	18	15	16	6	23	22	21	25	17	26	20	11	15	17	26	15	16	22	3	10	4	3	2
Master of laws.....															2	4	2		6							2	3	1										
Totals .....	6	7	9	8	9	11	12	16	18	24	28	26	30	36	61	79	70	112	118	135	126	99	137	135	141	170	194	209	225	249	287	333	370	422	501	515	608	
Degrees conferred during the year as of the class of.....																1											6	0	5	6	5	15						
Totals .....																											200	209	230	255	292	348						

\* Statistics given prior to 1904 cover only the degrees granted at the Commencement.



# APPENDIX VII.

SHOWING THE NUMBER OF STUDENTS IN THE GENERAL, TECHNICAL AND PROFESSIONAL COURSES

	1890-91.	1891-92.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-1900.	1900-01.	1901-02.	1902-03.	1903-04.	1904-05.	1905-06.	1906-07.	1907-08.	1908-09.
General Courses (College of Arts).....	137	151	194	245	256	322	327	358	371	419	439	403	490	496	490	551	572	630	714
Technical Courses (other Colleges, except Law).....	166	259	381	368	424	453	453	511	541	603	771	888	1,039	1,135	1,129	1,262	1,280	1,436	1,626
Professional Courses (College of Law).....		55	67	72	65	100	132	148	191	201	220	188	166	171	179	162	153	138	132
*Graduate students and summer school.....	2			1		94	97	133	75	45	51	49	62	108	54	240	339	379	458
†Summer school (shopwork).....															74	75	81	80	90
Lake Laboratory (summer).....												19		23	32	26	19	26	32
Totals .....	305	465	642	686	745	969	1,019	1,150	1,178	1,268	1,481	1,547	1,757	1,933	1,958	2,316	2,444	2,689	3,052
Names counted twice.....																159	167	216	258
Net Total .....																2,157	2,277	2,473	2,794

\* Until 1896, graduate students have been included in the first three classes.

† Until 1904, summer term students in shopwork have been included with graduate students.

## APPENDIX VII—Concluded.

SHOWING THE NUMBER OF STUDENTS IN THE GENERAL  
TECHNICAL AND PROFESSIONAL COURSES

	1909-1910	1910-1911	1911-1912	1912-1913	1913-1914
General Courses (Colleges of Arts and Education) ..	845	865	962	1,009	1,139
Technical Courses (Other Colleges Except Law) ....	1,643	1,780	1,979	2,106	2,392
Professional Courses (College of Law) .....	181	170	185	198	187
Graduate Courses (Graduate School 1911-) .....	96	70	97	128	133
Summer Session .....	606	617	738	575	671
Lake Laboratory (Summer) .....	36	22	28	25	32
Winter Courses .....	159	183	273	227	203
Total .....	3,566	3,707	4,262	4,268	4,757
Names counted twice .....	291	268	334	299	322
Net total .....	3,275	3,439	3,928	3,969	4,435



## APPENDIX VIII.

SHOWING DEGREES AND CERTIFICATES GRANTED IN JUNE, 1914.

## GRADUATE SCHOOL.

Dean: WILLIAM MCPHERSON

## DOCTOR OF PHILOSOPHY

EVA MARIE CAMPBELL, B. A., M. A.....	Centerville
DANIEL JENKINS WILLIAMS, B. A. (University of Wisconsin), M. A. (University of Wisconsin), B. D. (Union Theological Sem- inary) .....	Oshkosh, Wis.

## MASTER OF ARTS

GERTRUDE BARTLETT, B. Sc. (Ohio University).....	Sonora
ERIC SYDNEY COGAN, B. A. (University of Cape of Good Hope),.... .....	Grahamstown, South Africa
KENNETH CHARLES COTTINGHAM, B. A.....	Columbus
WANNITA DELONG, B. A. (Ohio Wesleyan University).....	Crooksville
HENRY LAKE DICKASON, B. A.....	Lindside, W. Va.
CARL JOHN DRAKE, B. Sc., B. Ped. (Baldwin University).....	Tiffin
HOWARD LEROY DUNLAP, B. Sc., (Ohio University).....	Flushing
ISAAC WILLIAM GEIGER, B. A.....	Bluffton
ROSE GORMLEY, B. A.....	Clintonville
HAZEL HEDGES, B. A.....	Columbus
MARY BLANCHE HOWE, Ph. B. (Ohio University).....	Athens
LILLIAN EATON HUMPHREY, B. A.....	Ironton
EDWARD CHARLES HYTREE, B. S. (Ohio Wesleyan University).....	Nutwood
MARGUERITE ICKES, B. A. (Smith College).....	Columbus
ARTHUR ROY LEONARD, B. A. (Williams College).....	Columbus
CHARLES H. LEWIS, B. A. (Ohio Wesleyan University).....	Leesburg
CARL D. MCGUIRE, B. Sc. (Chem. Eng.).....	Columbus
CLAUDE PERKINS MCNEIL, B. Sc. (Wooster University).....	Manchester
ANSON EARL MOODY, B. A.....	Crestline
RALPH REO MURPHY, A. B. (Indiana University).....	West Union, W. Va.
EVELYN OSBORN, B. A.....	Columbus
CHARLES EMMETT OXLEY, B. S. (Denison University).....	St. Marys
CHARLES RAYMOND PARKINSON, B. Sc. in Chem. Engr.....	Columbus
WALTER WESLEY PLOCH, B. A.....	Columbus
ELOISE RAMSEY, B. A.....	Chicago, Ill.
WALTER GARFIELD REITZEL, B. A.....	Columbus
CHARLES FRANKLIN ROSS, B. A.....	Richwood
CHARLES ROSS SCHROYER, B. A.....	State College, Pa.
ALVA WELLINGTON SMITH, B. A.....	Fayette
JOHN GEORGE VAN DEUSEN, B. A.....	Columbus
GRACE MELICK WIGTON, A. B. (Wittenberg College).....	Roseville
ROSS BROOKE WILDERMUTH, B. A.....	Pleasantville
AMY WILLIAMS, B. A.....	Columbus
RALPH BYRON WILSON, B. A.....	Columbus

## MASTER OF SCIENCE

CHARLES MILLARD FRITZ, B. Sc. in Agriculture.....	Wooster
GEORGE WILLIAM HOOD, B. Sc. in Horticulture and Forestry.....	Lincoln, Neb.
CLAYTON LEWIS LONG, B. Sc. in Horticulture.....	Columbus
THOMAS EVERETT RICHMOND, B. A.....	Cleveland
FREDERICK J. SALTER, B. Sc. in Agriculture.....	West Unity
ROBERT MUNDHENK SALTER, B. Sc. in Agriculture.....	West Unity
MALCOLM CAMERON SEWELL, B. Sc. (Kansas State Agricultural College).....	Columbus
NELLIE SWARTZEL STANTON, B. Sc. in Domestic Science.....	Columbus

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

*As of the Class of 1913*

## MASTER OF ARTS

BERTHA PEELE ARTHUR.....	Wilmington
MARY FLORENCE BRADDOCK.....	Columbus
HARRY FARNSWORTH CHILDS.....	Columbus
ALBERT KINKADE CHAPMAN.....	Marysville
HOWARD EARL FRITZ.....	Columbus
EDWARD SCHMIDT.....	Georgetown
WALTER JACKSON STEPHENS.....	Columbus
EDWIN BARLOW EVANS.....	Columbus

## MASTER OF SCIENCE

OSWIN RAY CLUTTER.....	New Concord
CLARE OLIN EWING.....	Carey
WILLIAM HENRY GOODWIN.....	Wooster

## COLLEGE OF AGRICULTURE.

Dean: HOMER CHARLES PRICE

## BACHELOR OF SCIENCE IN AGRICULTURE

JAMES HEZEKIAH ALLEN, Ph. B. (Lafayette College).....	Kenton
JESSE LEONARD BARNHART.....	Gratis
WILLIAM STEVENSON BAUCHMILLER.....	Dayton
HENRY CLAY BAUMGARDNER.....	Sugar Grove
EARL AMOS BAUMILLER.....	Nutwood
WALTER ARMSTRONG BAUSCH.....	Cincinnati
EDGAR STANLEY BIRD.....	Independence, Ky.
RAY CLEMMER BISH.....	Dayton
JOSEPH EDWARD BOWMAN, B. Sc. (Denison University).....	Thurston
FRANK LOGAN BOWSER.....	Wauseon
OSCAR FISCHER BOYD, B. A.....	Martinsville
EDWARD HERMAN BRETSCHNEIDER.....	Cleveland
ROY R. BUCHANAN.....	Ripley
WILLIAM ARTHUR BUENTE.....	Cincinnati
LOUIS HENRY BURGWARDL.....	Lakewood
FRANK SCOTT BUSBY.....	Lancaster
LEROY DANIEL CAMPBELL.....	New Bedford, Pa.
HARRISON DAVIS.....	Covington
LELAND ELIAS DÉPRIEST.....	Dayton
RAY M. DIBBLE.....	Leipsic



VAUGHN BAYARD DITRICK.....	Orient
RAY FISK DONNAN, B. A. (Ohio Wesleyan University).....	Delaware
RAE PETERS DOWLER.....	Groveport
LAURENCE WOOD DURRELL.....	Norwood
HOWARD FREDERICK EHLERDING.....	Norwood
HERBERT EICHHORN.....	Mt. Healthy
CHARLES CASTOR ENSIGN.....	Bryan
SIRAGAN HAVHANNES EZEKIELIAN.....	Marsovan, Turkey
RAYMOND LOUIS FEDDERSEN.....	Lakewood
PAUL GEIGER.....	Hebron
WASHINGTON IRVING GEISSMAN.....	New Washington
DON WALLACE GRIFFIN.....	Sylvania
VERNON RAYMOND HABER.....	Columbus
JOSEPH CLAY HALE.....	Newark
CYRIL BLONDEL HARPSTER.....	Columbus
MAURICE D. HELSER.....	Thornville
JOHN WILLIAM HENCEROOTH.....	Pleasant Valley, W. Va.
ALEXANDER JOHN HENDERSON.....	Smithfield
FREDERICK HERMAN HERZER.....	Marion
EDWIN GEROME HIBBS.....	Scio
KARL DEWITTE HIRN.....	Spencerville
CHARLES WALTER HOLDSON.....	Jefferson
ARTHUR PAUL JONES.....	Cleveland
MERRILL KING.....	Chardon
EDWARD TAYLOR KIRKENDALL.....	Columbus
HUGH RAYMOND McANALL.....	Iberia
WILLIAM CARLETON McQUISTON.....	College Corner
ROBERT LeROY MARSH.....	Kent
WESLEY GEORGE MECKSTROTH.....	St. Marys
DILLON SEYMOUR MYER.....	Hebron
HERSCHEL WARD NISONGER.....	New Madison
GLENN DEFOREST NORTON.....	Chippewa Lake
FRED EDWARDS PERRY, B. A. (Ohio Wesleyan University).....	Delaware
GROVER C. PETERS.....	Groveport
FRANCIS EUGENE PIPER.....	Ashtabula
BYRON ERNEST PONTIUS.....	Liberty Center
EVERETT PARK REED.....	Gilboa
ALBERT HARTMAN RICHENBACHER.....	Columbus
CHARLES HENRY RIGGS.....	Oberlin
HOWARD ROGERS.....	Gilboa
CLYDE LAWRENCE ROSE.....	North Dover
CHARLES FRANKLIN SALT.....	Columbus
GEORGE PETER SAMMAN.....	Beach Park
GEORGE BUTLER SAWYER.....	Madisonville
CHARLES EARL SCHIEB.....	Akron
PAUL LEONIDAS SHARRITT.....	Germantown
ANTHONY LAWRENCE SHEBANEK.....	Cleveland
TOLA ROBINSON SHIVELY.....	McComb
GARABED K. SIVASLIAN.....	Columbus
JOHN SLIPHER.....	Frankfort, Indiana
DAVID BINNS SMILEY.....	Hilliard
RALPH QUINCY SMITH.....	New Carlisle
THOMAS LOUIS SMITH.....	Youngstown
WILLIAM GORDON SMITH.....	Spiceland, Indiana

THERON BRODER STEELE.....	Columbus
HAROLD RUPERT STILLMAN.....	Andover
CHARLES HOWARD STOKES.....	Fremont
CORVIN ROBERT STONER.....	New Berlin
WALTER RAY SUNDERLAND.....	Dayton
VICTOR TAPKE.....	Cincinnati
FRANK BEECHER TRACY, JR.....	Euclid Village
ADOLPHUS ARTHUR TURNER.....	Hackley, Ky.
JONATHAN BEEM WAGY.....	Summit Station
JAMES FRENCH WALKER.....	Flushing
THOMAS DEWITT WALKER.....	Springfield
ABRAHAM BERT WILLIAMS.....	Painesville
WALTER LEONARD WILLIAMS.....	Wilmington
ALVA BENTON WILSON.....	Columbus
JAMES PERRY WILSON.....	Granville
CLAYTON JOHN WINDAU.....	Sandusky
FREDERICK WINKLER.....	Orrville
JOHN LESLIE YODER.....	Bellefontaine
CARL HERBERT YOUNG.....	Bowling Green

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

## BACHELOR OF SCIENCE IN AGRICULTURE

*As of the Class of 1912*

JOHN CALVIN QUIMBY.....	Bridgeport
ERSKINE CLARK WRIGHT.....	Columbus

*As of the Class of 1913*

DAN LLOYD AUGENSTINE.....	Salem
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## BACHELOR OF SCIENCE IN FORESTRY

PAUL GEORGE ATEN.....	Delaware
JAMES GARFIELD BLISS.....	Canton
RAY SAMUEL DIETZ.....	Canal Winchester
WALTER SCHUSTER ECKMAN.....	Columbus
RANDOLPH WILLIAM HELLWIG.....	Columbus
CLARENCE BERTRAM HENRY.....	Columbus
ROBERT JOYCE HOUGH.....	Greenville
JOHN EWERT JONES.....	Martins Ferry
WALTER NUHFER MOULTON.....	Plain City
GEORGE MCNEAL TRAUTMAN.....	Bucyrus
HARRY MAYER UDOVITCH.....	Columbus

## BACHELOR OF SCIENCE IN HORTICULTURE

CHARLES GILBERT CARPENTER.....	Mentor
NORRIS RAYMOND ELLIOTT.....	Chandlersville
KARL JOHN HOPP.....	Newark
RALPH WILLARD JORDAN.....	Creston
HOMER CLYDE KELLEY.....	New Lexington
WILLIAM GUY KESLER.....	Columbus
JOHN HEROLD LONGBON.....	Valley City
HELENA CHAMBERLAIN LOVEJOY, B. A.....	Columbus
WILLIAM ERVINE MCCANN.....	Frazeytsburg



KELTON McDOWELL.....	Plain City
ELIZABETH NIXON .....	Zoar
BENJAMIN HARRISON REPP.....	Tiffin
MAXWELL MILLER SCARFF.....	New Carlisle
HARVEY ADAMS SCHENCK.....	Columbus

## DEGREE CONFERRED DURING THE CURRENT ACADEMIC YEAR

## BACHELOR OF SCIENCE IN HORTICULTURE AND FORESTRY

*As of the Class of 1905*

EDWARD D. COBERLY.....	Columbus
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## BACHELOR OF SCIENCE IN HOME ECONOMICS

FRANCES THERESA ALLEN.....	Kinsman
HELEN MARIE ASHCRAFT.....	Mt. Vernon
MABEL LOUISE BARR.....	Columbus
LOIS HELEN BARRINGTON.....	St. Marys
IDA BASINGER.....	Pandora
HELEN LOUISE PAULINE BOYLAN.....	Columbus
AGNES MARGUERITE BRADY.....	Union City, Ind.
CARRIE ELIZABETH CLIFTON.....	Wauseon
AVIS AUGUSTA CRAWFORD.....	New Holland
MARY ELIZABETH DALTON.....	Columbus
EVA MAY DEYO.....	Orient
FLORENCE ELSIE ECKMAN.....	Columbus
ELSIE MARGARET FRANK.....	Columbus
HAZEL KATHERINE GERHARDT.....	Circleville
MARY EVELYN GREEN.....	Columbus
RUTH IDA GUENTHER.....	Mansfield
OPAL MAY HATTON.....	Marysville
BESSIE BLANCHE HAYMES.....	Mt. Vernon
CLARE KENNEDY.....	New Holland
VERA BERTHA LEWIS.....	Wilmington
LOUISE LIPPINCOTT.....	Columbus
MARY FORREST MCBEE.....	Mansfield
MYRTLE MCBETH.....	Georgetown
LELIA MARGARET MCGUIRE.....	Columbus
FRANCES CLEVELAND MCKINNEY.....	Marietta
EDITH MAE MILLER.....	West Lafayette
LELIA BEATRICE NUZUM.....	Columbus
FLORENCE HENRIETTA ORTHOEFER.....	Columbus
FANNY RUTH PRATT.....	Wellington
EDITH MAY SAUERS.....	Columbus
NAN RUTH SHARPLES, B. A.....	Warsaw
HAZEL IRENE SHERMAN.....	Columbus
MAUDE SHOVER.....	Grove City
LULU STRADER.....	Lockbourne
MARY ALICE SWOPE.....	Lancaster
ALICE WARD.....	Sandusky
HAZEL BURNETT WILLIAMS.....	Arcanum
FLORENCE HESS WILLISON, B. PH.....	Columbus
CARRIE SIMPSON ZENTMYER.....	Newark

## DEGREE CONFERRED DURING THE CURRENT ACADEMIC YEAR

## BACHELOR OF SCIENCE IN DOMESTIC SCIENCE

*As of the Class of 1913*

GRACE GRAHAM WALKER.....Mt. Vernon

## COLLEGE OF ARTS, PHILOSOPHY AND SCIENCE

Dean: JOSEPH VILLIERS DENNEY

## BACHELOR OF ARTS

LELA POLAND ALBRIGHT.....Carrollton  
 JACOB VALLEY ARIEL.....Brooklyn, N. Y.  
 BERTHA GERTRUDE ATWELL.....Somerset  
 MADELINE JOHNSON BAIRD.....Columbus  
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